

## References and Bibliography

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### Historical Perspective

ANGEVINE, C. L., HELLER, P. L., and PAOLA, C., 1990: Quantitative sedimentary basin modeling, AAPG Continuing Education Course Note Series #32

BATES, C. C., 1953: Rational theory of delta formation, Bull. Am. Assoc. Petrol. Geol., 37 pp.2119-2162

Bonham-Carter, Graeme F., Computer simulation of nearshore sediment transport, The American Association of Petroleum Geologists Bulletin, 53 (2), p. 465, 1969.

Bonham-Carter, Graeme, Harbaugh, John W., Simulation of geologic systems; an overview, Computer applications in the earth sciences--Colloquium on simulation, Computer Contribution. Kansas Geological Survey, p. 3-10, illus., 1968.

Bonham-Carter, Graeme, Harbaugh, John W., Simulation of geologic systems; an overview, Computer applications in the earth sciences; colloquium on simulation, Computer Contribution. Kansas Geological Survey, 22, p. 3-10, illus., 1968.

Bonham-Carter, Graeme, Harbaugh, John W., Stratigraphic modeling by computer simulation, Data processing in biology and geology (Syst. Assoc., Spec. Vol., No. 3), p. 147-164, illus., 1971.

HARBAUGH J.W., BONHAM-CARTER G., 1970 : Computer simulation in geology, New York: John Wiley and Sons, pp. 575.

Harbaugh, J. W., Bonham-Carter, G., Computer simulation of continental margin sedimentation Goldberg, E. D. (editor), McCave, I. N. (editor), O'Brien, J. J. (editor), Steele, J. H. (editor), The sea; ideas and observations on progress in the study of the seas; Volume 6, Marine modeling, p. 623-649, illus. incl. charts, tables, 19 refs, 1977.

Harbaugh, John W., Bonham-Carter, Graeme, Merrill, William M., Programs for computer simulation in geology; Selected Applications with Suggestions for Their Use in Sedimentary and Coastal Environmental Geology, p. 547, illus., Stanford, Calif., 1971.

Hardy, Stuart (University of London, Department of Geology, Surrey, United Kingdom), Waltham, Dave, Computer modeling of tectonics, eustacy, and sedimentation using the Macintosh, Geobyte, 7 (6), p. 42-52, illus., 15 refs, 1992.

KRUMBEIN W.C., 1964: A geological process-response model for analysis of beach phenomena, Ann. Bull. Beach Erosion Board (USA), v.17, (1963), p.1-15

Matthews, Martin D. (Texaco International Exploration Division, Bellaire, TX, United States), Zeitlin, Michael J., The importance of quantitative stratigraphic modeling to basin modeling Anonymous, American Association of Petroleum Geologists 1997 annual convention, Annual Meeting Abstracts - American Association of Petroleum Geologists and Society of Economic Paleontologists and Mineralogists, 6, p. 78, 1997. Meeting: American Association of Petroleum Geologists 1997 annual convention, Dallas, TX, United States, April 6-9, 1997.

OERTEL, G. and WALTON, E. K., 1967: Lessons from a feasibility study for computer models of coal-bearing deltas, Sedimentology, 9 pp. 157-168

Paola C., 2000 : Sedimentology and sedimentary basins: From turbulence to tectonics by Leeder M. *NATURE* , 405 (6783): 123-123

Paola C., 2000 :Quantitative models of sedimentary basin filling  
*SEDIMENTOLOGY* 47: 121-178, Suppl. 1 FEB

SLINGERLAND R.,1989: Predictability and chaos in quantitative dynamic stratigraphy, in T. A. Cross (ed) *Quantitative Dynamic Stratigraphy*, Prentice Hall, New Jersey, p.45-54

SLOSS, L. L.,1962: Stratigraphic models in exploration, *Journal of Sed. Petr.*, 32, 3, p.415-422

TETZLAFF, DANIEL M., 1990: Limits to the predictive ability of dynamic models that simulate clastic sedimentation, In: *Quantitative dynamic stratigraphy*(eds) Cross, Timothy A. (editor), Prentice Hall, Englewood Cliffs, NJ, United States, p. 55-65

Waltham, David (R. Holloway and Bedford New Coll., Egham, United Kingdom), *Mathematical modelling of sedimentary basin processes*, *Marine and Petroleum Geology*, 9 (3), p. 265-273, illus., 34 refs, 1992.

## Diffusion Models

Aigner, T. (KSEPL, Shell Res., Rijswijk, Netherlands), Brandenburg, A., van Vliet, A., Doyle, Mark, Lawrence, D., Westrich, J., Stratigraphic modelling of epicontinental basins; two applications Aigner, T. (editor) (Shell Res., Rijswijk, Netherlands), Dott, R. H. (editor), *Processes and patterns in epeiric basins*, *Sedimentary Geology*, 69 (3-4), p. 167-190, illus. incl. sects., strat. cols., 72 refs, 1990.

Aigner, T. (Shell Res., Rijswijk, Netherlands), Brandenburg, A., Doyle, M., Lawrence, D., Westrich, J., Stratigraphic basin modelling; examples from the intracratonic Paris Basin and the Baltimore canyon passive margin basin Anonymous, 13th International sedimentological congress; Abstracts of papers, *International Sedimentological Congress*, 13, p. 7-8, illus., 1990. ISBN: 0-85272-191-9. Meeting: 13th international sedimentological congress, England, United Kingdom, Aug. 28-31, 1990.

Aigner, Thomas (Shell Res. B. V., Rijswijk, Netherlands), Lawrence, David T., Stratigraphic modeling of sedimentary basins Anonymous, Distinguished lecture tours, 1990-1991; abstracts, *AAPG Bulletin*, 74 (11), p. 1772, 1990.

Ainsworth, R. B. (Shell International Exploration and Production, Technology and Research Centre, Rijswijk, Netherlands), Bosscher, H., Newall, M. J., Forward stratigraphic modelling of forced regressions; evidence for the genesis of attached and detached lowstand systems Hunt, D. (editor) (University of Manchester, Manchester, United Kingdom), Gawthorpe, Robert L. (editor), *Sedimentary responses to forced regressions*, *Geological Society Special Publications*, 172 , p. 163-176, illus. incl. sects., sketch map , 38 refs, 2000. ISBN: 1-86239-063-0.

ANGEVINE, C. L., HELLER, P. L., and PAOLA, C., 1990 : Quantitative sedimentary basin modeling, AAPG Continuing Education Course Note Series #32 .

Armentrout, John M. (Mobil Exploration and Producing Technical Center, Dallas, TX, United States), Rouch, Linda S., Bowman, Scott A., Computer simulation of seismically-defined depositional sequences; Pliocene and Pleistocene and geometry's rates, offshore Texas Anonymous, AAPG annual convention, *Annual Meeting Abstracts - American Association of Petroleum Geologists and Society of Economic Paleontologists and Mineralogists*, 1994, p. 95, 1994. Meeting: AAPG annual convention, Denver, CO, United

States, June 12-15, 1994.

Armentrout, John M. (Mobil Exploration and Producing Technical Center, Dallas, TX, United States), Smith-Rouch, Linda S., Bowman, Scott A., Numeric stratigraphic modeling; testing sequence stratigraphic concepts using high resolution geologic examples Anonymous, AAPG international conference and exhibition; abstracts, AAPG Bulletin, 80 (8), p. 1268-1269, 1996. Meeting: AAPG international conference and exhibition, Caracas, Venezuela, Sept. 8-11, 1996.

BEGIN, Z. B., 1987 : ERFUS 6 - a FORTRAN program for calculating the response of alluvial channels to baselevel lowering, Computers and Geosciences, 13 p.389-398.

BEGIN, Z. B., 1988 : Application of a diffusion-erosion model to alluvial channels which degrade due to base-level lowering., Earth Surface Processes and Landforms, 13 p.487-500.

BONHAM-CARTER, G. F. and SUTHERLAND, A. J., 1967 : Diffusion and settling of sediments at river mouths: a computer simulation model, Trans. Gulf Coast Assoc. Geol. Soc., 17 p. 326-338.

Bonham-Carter, G. F., Sutherland, Alex J., Mathematical model and FORTRAN IV program for computer simulation of deltaic sedimentation, Computer Contribution. Kansas Geological Survey, p. 56, illus., tables, 1968.

Bowman, Scot A. (Marco Polo Software, Houston, TX, United States), Vail, Peter A., Carbonate sedimentation processes in PHIL Anonymous, American Association of Petroleum Geologists 1993 annual convention, Annual Meeting Abstracts - American Association of Petroleum Geologists and Society of Economic Paleontologists and Mineralogists, 1993, p. 78, 1993. Meeting: American Association of Petroleum Geologists 1993 annual convention, New Orleans, LA, United States, April 25-28, 1993.

Bowman, Scott A. (Marco Polo Software, Houston, TX, United States), Vail, Peter R., Calibration and refinement of the Neogene eustatic sea level curve by integration of sequence stratigraphic data with simulation results Anonymous, American Association of Petroleum Geologists 1995 annual convention, Annual Meeting Abstracts - American Association of Petroleum Geologists and Society of Economic Paleontologists and Mineralogists, 4, p. 11, 1995. Meeting: American Association of Petroleum Geologists 1995 annual convention, Houston, TX, United States, March 5-8, 1995.

Bowman, Scott A. (PetroDynamics, Houston, TX, United States), Application of stratigraphic simulation to AVO analysis Anonymous, American Association of Petroleum Geologists 1997 annual convention, Annual Meeting Abstracts - American Association of Petroleum Geologists and Society of Economic Paleontologists and Mineralogists, 6, p. 13, 1997. Meeting: American Association of Petroleum Geologists 1997 annual convention, Dallas, TX, United States, April 6-9, 1997.

Bowman, Scott A. (Rice Univ., Dep. Geol. and Geophys., Houston, TX, United States), Method for quantifying tectonic, eustatic, and sediment supply controls on the stratigraphic record Anonymous, Geological Society of America, South-Central Section, 26th annual meeting, Abstracts with Programs - Geological Society of America, 24 (1), p. 4, 1992. Meeting: Geological Society of America, South-Central Section, 26th annual meeting, Houston, TX, United States, Feb. 24-25, 1992.

Bowman, Scott Andrew, Computer simulation of stratigraphy, p. 297, 1994. Doctoral from Rice University, Houston, TX, United States

CULLING, W. E. H., 1960 : Analytical theory of erosion, Journal of Geology, 68 p.336-344.

Doligez, Brigitte (Institut Francais du Petrole, Rueil Malmaison, France), Granjeon, Didier, Joseph, Philippe, Eschard, Remi, How can stratigraphic modeling help constrain geostatistical reservoir simulations? Harbaugh, John W. (editor) (Stanford University, Department of Geological Sciences, Stanford, CA, United States), Watney, W. Lynn (editor), Rankey, Eugene C. (editor), Slingerland, Rudy (editor), Goldstein, Robert H. (editor), Franseen, Evan K. (editor), Numerical experiments in stratigraphy; recent advances in stratigraphic and sedimentologic computer simulations, Special Publication - Society for Sedimentary Geology, 62, p. 239-244, sects., block diags., sketch map, 15 refs, 1999. ISBN: 1-56576-06-1. Meeting: Numerical experiments in stratigraphy; recent advances in stratigraphic and sedimentologic computer simulations, Lawrence, KS, United States, May 15-17, 1996.

Flemings, P. B. (Cornell Univ., Dep. Geol. Sci., Ithaca, NY, United States), Jordan, T. E., Sedimentary response in a foreland basin to thrusting; a forward modelling approach Dickinson, William R. (chairperson), Geological Society of America, 1987 annual meeting and exposition, Abstracts with Programs - Geological Society of America, 19 (7), p. 664, 1987. Meeting: Geological Society of America, 1987 annual meeting and exposition, Phoenix, AZ, United States, Oct. 26-28, 1987.

Flemings, Peter B. (Pennsylvania State University, Department of Geosciences, University Park, PA, United States), Grotzinger, John P., STRATA; freeware for analyzing classic stratigraphic problems, GSA Today, 6 (12), p. 1-7, illus. incl. 1 table, sects., 38 refs, 1996.

Flemings, Peter Barry (Cornell Univ., Inst. Study Cont., Ithaca, NY, United States), Jordan, Teresa E., Stratigraphic modeling of foreland basins; interpreting thrust deformation and lithosphere rheology, Geology (Boulder), 18 (5), p. 430-434, illus. incl. sects., 30 refs, 1990. Cornell Univ., Inst. Study Cont., Contrib. No. 118.

Granjeon, Didier (Institut Francais du Petrole, Division Geologie-Geochemie, Rueil Malmaison, France), Joseph, Philippe, Concepts and applications of a 3-D multiple lithology, diffusive model in stratigraphic modeling Harbaugh, John W. (editor) (Stanford University, Department of Geological Sciences, Stanford, CA, United States), Watney, W. Lynn (editor), Rankey, Eugene C. (editor), Slingerland, Rudy (editor), Goldstein, Robert H. (editor), Franseen, Evan K. (editor), Numerical experiments in stratigraphy; recent advances in stratigraphic and sedimentologic computer simulations, Special Publication - Society for Sedimentary Geology, 62, p. 197-210, illus. incl. block diags., sects., sketch maps, 65 refs, 1999. ISBN: 1-56576-06-1. Meeting: Numerical experiments in stratigraphy; recent advances in stratigraphic and sedimentologic computer simulations, Lawrence, KS, United States, May 15-17, 1996.

Granjeon, Didier (Institut Francais du Petrole, Rueil-Malmaison, France), Joseph, Philippe, Guillocheau, Francois, Navarre, Jean Christophe, 3D process modeling of fluvial and wave dominated shorelines for siliciclastic and carbonate sediments Anonymous, AAPG international conference and exhibition; abstracts, AAPG Bulletin, 79 (8), p. 1217, 1995. Meeting: AAPG international conference and exhibition, Nice, France, Sept. 10-13, 1995.

Granjeon, Didier (Institut Francais du Petrole, Rueil-Malmaison, France), Joseph, Philippe, Doligez, Brigitte, Using a 3-D stratigraphic model to optimize reservoir description, Hart's Petroleum Engineer International, 71 (11), p. 51-54, 56-58, illus. incl. sects., block diag., 5 refs, 1998.

Granjeon, Didier H. (Institut Francais du Petrole, France), Joseph, Philippe R., Guillocheau, Francois, Robin, Cecile D., Three-dimensional, carbonate and siliciclastic, forward modeling Al-Husseini, Moujahed I. (editor) (Gulf PetroLink), Geo'96 abstracts, GeoArabia (Manama), 1 (1), p. 144-145, 1996. Meeting: 2nd Middle East Geosciences conference, Bahrain, April 15-17, 1996.

Granjeon, Didier H., Modelisation stratigraphique deterministe; conception et applications d'un modele diffusif 3D multilithologique; Deterministic stratigraphic modelling; conception and applications of a multi-lithologic 3D model, Memoires de Geosciences Rennes, 78, p. 189, block diags., geol. sketch maps, 1997. ISBN: 2-905532-77-7.

HARBAUGH J.W., BONHAM-CARTER G., 1970 : Computer simulation in geology, New York: John Wiley and Sons 575.

Joseph, Philippe (Institut Francais du Petrole, Rueil-Malmaison, France), Bez, Martine, Eschard, Remi, Rabineau, Marina, Granjeon, Didier, Navarre, Jean-Christophe, Applications of a 3D multilithological stratigraphic model to the reservoir appraisal Anonymous, 1997 AAPG international conference and exhibition; abstracts, AAPG Bulletin, 81 (8), p. 1386, 1997. Meeting: 1997 AAPG international conference and exhibition, Vienna, Austria, Sept. 7-10, 1997.

KENDALL, C. G. ST. C.; STROBEL, J.; TANG, J.; MOORE, P.; CANNON, R.; BEZDEK, J.; BISWAS, G., 1989 : Simulation of the Capitan shelf margin (Late Permian, Guadalupian) of West Texas/New Mexico, a response to eustatic change and an example of the use of SEDPAK, SEPM Core Workshop: Subsurface and outcrop examination of the Capitan shelf margin, north

KENYON, P. M., and TURCOTTE, D. L., 1985 : Morphology of a delta prograding by bulk sediment transport, Geol. Soc. America Bulletin, 96 p.1457-1465.

Lawrence, D. T. (Koninklijke/Shell Explor. Prod. Lab., Netherlands), Doyle, M., Aigner, T., Applications of stratigraphic forward models; Main Pass (U.S. Gulf Coast), Baltimore Canyon (U.S. East Coast), and offshore Sarawak (Malaysia) Anonymous, Society of Exploration Geophysicists, 59th annual international meeting; expanded abstracts with biographies, SEG Abstracts, 59, Vol. 1, p. 590-592, 2 refs, 1989. Meeting: Society of Exploration Geophysicists, 59th annual international meeting, Dallas, TX, United States, Oct. 29-Nov. 2, 1989.

Lawrence, D. T. (Shell Development Company, Houston, TX, United States), Doyle, M., Aigner, T., Calibration of stratigraphy forward of model in clastic, carbonate, and mixed clastic/carbonate regimes Anonymous, Twenty-eighth international geological congress; abstracts, International Geological Congress, Abstracts--Congres Geologique Internationale, Resumes, 28, Vol. 2, p. 2.264, 3 refs, 1989. Meeting: Twenty-eighth international geological congress, Washington, DC, United States, July 9-19, 1989.

Lawrence, David T. (Shell Dev. Co., Basin Anal. Sect., Houston, TX, United States), Doyle, Mark, Stratigraphic modeling of sedimentary basins, CSPG Reservoir, 15 (3), p. 1-2, 1988.

Lawrence, David T. (Shell Dev. Co., United States), Doyle, Mark, Aigner, T., Application of stratigraphic forward models in exploration settings, Bulletin - Houston Geological Society, 32 (5), p. 7, 1990.

Lazaar, Saiida (Institut Francais du Petrole, Rueil-Malmaison, France), Blokkeel, Gregory, Granjeon, Didier, Guerillot, Dominique, Inverse stratigraphic model for the carbonate production estimation; application to an Oman outcrop Al-Husseini, Moujahed I. (editor) (Gulf PetroLink, Bahrain, Bahrain), GEO'98, 3rd Middle East geoscience conference and exhibition; The Middle East, catalyst for E&P technology; conference abstracts, GeoArabia (Manama), 3 (1 ), p. 113, 1998. Meeting: GEO'98; 3rd Middle East geosciences conference and exhibition , Manama, Bahrain, Apr. 20-22, 1998.

Marr JG, Swenson JB, Paola C, Voller VR., 2000 : A two-diffusion model of fluvial stratigraphy in closed depositional basins. BASIN RESEARCH. 12 (3-4): 381-398 SEP-DEC

PAOLA, CHRIS, 1987 : Gravel in alluvial basins; mass-balance models and paleoslope estimation, Geological Society of America, 21st annual meeting with the North-Central Section of the Paleontological Society, Great Lakes Section, vol. 19, no. 4, p. 238.

- PAOLA, CHRIS, 1988 : Subsidence and gravel transport in alluvial basins, New perspectives in basin analysis.(eds) Kleinspehn, Karen L., Paola, Chris, *Frontiers in sedimentary petrology*. Bouma, Arnold p. 231-243.
- PAOLA, CHRIS, 1990 : A simple basin filling model for coarse grained alluvial systems, In: *Quantitative dynamic stratigraphy*(eds) Cross, Timothy A. (editor), Prentice Hall, Englewood Cliffs, NJ, United States p. 363-374.
- Prather BE., 2000 : Calibration and visualization of depositional process models for above-grade slopes: a case study from the Gulf of Mexico. *MARINE AND PETROLEUM GEOLOGY*. 17 (5): 619-638 MAY
- Rivenaes JC., 1997 : Impact of sediment transport efficiency on large-scale sequence architecture: Results from stratigraphic computer simulation. *BASIN RESEARCH*, 9 (2): 91-105
- Rivenaes, Jan C. (University of Trondheim, Division of Petroleum Technology and Applied Geophysics, Trondheim, Norway), Application of a dual-lithology, depth-dependent diffusion equation in stratigraphic simulation, *Basin Research*, 4 (2), p. 133-146, illus. incl. 1 table, 52 refs, 1992.
- Shuster, Mark W. (Shell Dev. Co., Houston, TX, United States), Lawrence, David T., Controls on passive margin stratigraphy; seismostratigraphic and basin modeling evaluation of Georges Bank basin Anonymous, AAPG 1991 annual convention with DPA/EMD divisions and SEPM, an associated society, *AAPG Bulletin*, 75 (3), p. 671-672, 1991. Meeting: AAPG 1991 annual convention with DPA/EMD divisions and SEPM, an associated society, Dallas, TX, United States, Apr. 7-10, 1991.
- SLINGERLAND, RUDY L.; FURLONG, KEVIN P., 1990 : Shoreline position in clastic wedges of marine foreland basins; a modeling study, *AAPG Bulletin*, vol. 74, no. 5, p. 765.
- SLINGERLAND, RUDY L.; VOGEL, KOEN; BRIDGE, JOHN S., 1989 : Mathematical modelling of downstream fining in streams, *Eos, Transactions, American Geophysical Union* In: Third scientific assembly of the International Association of Hydrological Science, vol. 70, no. 15, p. 323.
- Syvitski, James P. M., Modelling the sedimentary fill of basins Agterberg, F. P. (editor), Bonham-Carter, G. F. (editor), *Statistical applications in the earth sciences; proceedings of a colloquium, Paper - Geological Survey of Canada*, 89-09, p. 505-515, illus. incl. tables, 15 refs, 1990. ISBN: 0660135922. Meeting: Colloquium on Statistical applications in the earth sciences, Ottawa, ON, Canada, Nov. 14-18, 1988.
- TETZLAFF, DANIEL M., 1990 : SEDO; a simple clastic sedimentation program for use in training and education, In: *Quantitative dynamic stratigraphy*(eds) Cross, Timothy A. (editor), Prentice Hall, Englewood Cliffs, NJ, United States p. 401-415.
- TIPPER, J. C., 1991: Modelling the fill of sedimentary basins. *Explor. Geophys.*, v.22, p.397-400.

## Hydraulic Models

BATES, C. C., 1953 : Rational theory of delta formation, Bull. Am. Assoc. Petrol. Geol., 37 pp.2119-2162.

BEGIN, Z. B., 1987 : ERFUS 6 - a FORTRAN program for calculating the response of alluvial channels to baselevel lowering, Computers and Geosciences, 13 p.389-398.

BITZER K., HARBAUGH J.W., 1987 : DEPOSIM: A Macintosh computer model for two-dimensional simulation of transport, deposition, erosion, and compaction of clastic sediments, Computers & Geosciences, 13, 6, 611-637.

BITZER, KLAUS; PFLUG, REINHARD, 1990 : DEPO3D; a three dimensional model for simulating clastic sedimentation and isostatic compensation in sedimentary basins, In: Quantitative dynamic stratigraphy (eds) Cross, Timothy A. (editor), Prentice Hall, Englewood Cliffs, NJ, United States p. 335

BONHAM-CARTER, G. F. and SUTHERLAND, A. J., 1967 : Diffusion and settling of sediments at river mouths: a computer simulation model, Trans. Gulf Coast Assoc. Geol. Soc., 17 p. 326-338.

BONHAM-CARTER, G. F., and SUTHERLAND, A. J., 1968 : Mathematical model and FORTRAN IV program for computer simulation of deltaic sedimentation., Computer Contribution, 24, Kansas Geological Survey, pp. 56.

EIDSVIK, K. J., and BRØRS, B., 1988 : Self-accelerated turbidity current prediction based upon (k-e) turbulence., Continental Shelf Research, 9, 7, p.617-627.

EIDSVIK, K. J., and UTNES, T., 1991 : A model for sediment reentrainment and transport in shallow basin flows, Coastal Engineering .

Griffiths, C. M., Dyt, C., Paraschivoiu, E., Liu, K., 2001. Sedsim in hydrocarbon exploration. in Merriam, D., Davis, J. C. (eds). Geologic Modeling and Simulation. Kluwer Academic, New York.

Griffiths, C. M., and Paraschivoiu, E., 1998, Three-dimensional forward stratigraphic modelling of Early Cretaceous sedimentation on the Leveque and Yampi Shelves, Browse Basin. The APPEA Journal, 38, 1, p.147-158

Griffiths, C. M., Dyt, C., 2001. Six years of Sedsim exploration applications. AAPG Denver June 2001, (Abstract only)

HARBAUGH J.W., BONHAM-CARTER G., 1970 : Computer simulation in geology, New York: John Wiley and Sons 575.

HARBAUGH, J. W., 1966 : Mathematical simulation of marine sedimentation with IBM 7090/7094 computers, In: Daniel F. Merriam (ed.) Computer Contributions 1, University of Kansas, Lawrence, Kansas .

HARBAUGH, J. W., BONHAM-CARTER, G., 1977 : Computer simulation of continental margin sedimentation, in Golberg, E. D., McCave, I. N., O'Brien, J. J., and Steele, J. H. (eds.) The Sea: Ideas and observations on progress in the study of the seas, 6 p. 623-649.

Koltermann, Christine E. (Pegasus Geoscience, Santa Clara, CA, United States), Stratigraphic and sedimentologic controls on the hydrogeology of the Alameda Creek fan (Niles Cone), Alameda County, California Anonymous, AAPG Pacific Section meeting; abstracts, AAPG Bulletin, 79 (4), p. 590-591, 1995. Meeting: AAPG Pacific Section meeting, San Francisco, CA, United States, May 2-5, 1995.

Koltermann, Christine E. (Stanford Univ., Dep. Appl. Earth Sci., Stanford, CA, United States), Gorelick, Steven M., Paleoclimatic signature in terrestrial flood deposits, Science, 256 (5065), p. 1775-1782, illus. incl. block diags., sketch maps, 49 refs, 1992.

Koltermann, Christine E. (Stanford University, Department of Applied Earth Sciences, Stanford, CA, United States), Gorelick, Steven M., Climatic cyclicity and consequent alluvial aquifer heterogeneity Anonymous, Geological Society of America, 1991 annual meeting, Abstracts with Programs - Geological Society of America, 23 (5), p. 266, 1991. Meeting: Geological Society of America, 1991 annual meeting, San Diego, CA, United States, Oct. 21-24, 1991.

Koltermann, Christine E. (Stanford University, Department of Geological and Environmental Sciences, Stanford, CA, United States), Gorelick, Steven M., Heterogeneity in sedimentary deposits; a review of structure-imitating, process-imitating, and descriptive approaches, Water Resources Research, 32 (9), p. 2617-2658, illus. incl. sects., 1 table, block diags., 245 refs, 1996.

Koltermann, Christine E. (Stanford University, Department of Geological and Environmental Sciences, Stanford, CA, United States), Gorelick, Steven M., Geologic insight, quantitative depositional modeling, and simulation of groundwater flow Anonymous, Geological Society of America, 1993 annual meeting, Abstracts with Programs - Geological Society of America, 25 (6), p. 39, 1993. Meeting: Geological Society of America, 1993 annual meeting, Boston, MA, United States, Oct. 25-28, 1993.

Koltermann, Christine E. (Stanford University, Department of Geological and Environmental Sciences, Stanford, CA, United States), Gorelick, Steven M., Geologic controls on the characteristics of an alluvial fan aquifer system Anonymous, Geological Society of America, 1993 annual meeting, Abstracts with Programs - Geological Society of America, 25 (6), p. 109, 1993. Meeting: Geological Society of America, 1993 annual meeting, Boston, MA, United States, Oct. 25-28, 1993.

Koltermann, Christine E. (Stanford University, Department of Geological and Environmental Sciences, Stanford, CA, United States), Gorelick, Steven M., Fractional packing model for hydraulic conductivity derived from sediment mixtures Hornberger, George M. (editor) (University of Virginia, Department of Environmental Sciences, Charlottesville, VA, United States), Anderson, Mary P. (editor), Special section; Shirley J. Dreiss memorial, Water Resources Research, 31 (12), p. 3283-3297, illus. incl. 2 tables, 48 refs, 1995.

Koltermann, Christine Ellen Marie, Geologic modeling of spatial variability in sedimentary environments for groundwater flow simulation, p. 331, 1994. Doctoral from Stanford University, Stanford, CA, United States

KOMAR, P. D., 1977 : Computer simulation of turbidity current flow and the study of deep-sea channels and fan sedimentation, Marine Modeling, 6, Wiley Interscience, New York, p.603-621.

KRUMBEIN W. C. SLOSS L. L., 1963 : Stratigraphy and sedimentation. , .

KRUMBEIN W.C., 1964 : A geological process-response model for analysis of beach phenomena, Ann. Bull. Beach Erosion Board (USA), v.17, (1963), p.1-15.

LEE Y. H. MARTINEZ P. A. HARBAUGH J. W., 1989 : Dynamic 3-D graphics critical element in Stanford's SEDSIM project., *Geobyte.*, v. 5, No. 1, p. 37-38.

Lu, Zhiming, A three-dimensional computer simulation program for turbidity flows, p. 110, illus., 107 refs, 1995. Master's from Stanford University, Stanford, CA, United States

Morehead MK, Syvitski JP, Hutton EWH. 2001 : The link between abrupt climate change and basin stratigraphy: a numerical approach. *GLOBAL AND PLANETARY CHANGE*, 28 (1-4): 107-127.

Mulder, T. (Cardiff University of Wales, Department of Earth Sciences, Cardiff, United Kingdom), Savoye, B., Syvitski, J. P. M., Numerical modelling of a mid-sized gravity flow; the 1979 Nice turbidity current (dynamics, processes, sediment budget and seafloor impact), *Sedimentology*, 44 (2), p. 305-326, illus. incl. sketch maps, 67 refs, 1997. Includes an appendix.

Mulder, T. (Univ. Wales, Coll. Cardiff, Dep. Earth Sci., Cardiff), Savoye, B., Syvitski, J. P. M., Cochonat, P., Origine des courants de turbidite enregistres a l'embouchure du Var en 1971; Origin of the turbidity currents recorded at the Var River mouth in 1971, *Comptes Rendus de l'Academie des Sciences, Serie II. Sciences de la Terre et des Planetes*, 322 (4), p. 301-307, 19 refs, 1996.

Mulder, T. (Universite de Bordeaux I, Talence, France), Syvitski, J. P. M., Alexander, J., Skene, K. I., Modelisations analogique et numerique des courants de turbidite hyperpycnaux; Analog and digital modeling of hyperpycnal turbidity currents, 7e congres francais de sedimentologie; resumes; Seventh French congress on Sedimentology; abstracts, *ASF Association des Sedimentologistes Francais*, 33, p. 237-238, 5 refs, 1999. ISBN: 2-907205-32-3. Meeting: 7e congres francais de sedimentologie, Nancy, France, Nov. 15-17, 1999.

Mulder, Thierry (Universite de Bordeaux I, Departement de Geologie et Oceanographie, CNRS URA 197, Talence, France), Syvitski, James P. M., Skene, Kenneth I., Modeling of erosion and deposition by turbidity currents generated at river mouths, *Journal of Sedimentary Research, Section A: Sedimentary Petrology and Processes*, 68 (1), p. 124-137, illus. incl. sketch map, 57 refs, 1998.

Mulder, Thierry (Universite de Bordeaux I, Department de Geologie et Oceanographie, Talence, France), Savoye, Bruno, Piper, David J. W., Syvitski, James P. M., The Var submarine sedimentary system; understanding Holocene sediment delivery processes and their importance to the geological record Stoker, M. S. (editor) (British Geological Survey, Edinburgh), Evans, D. (editor), Cramp, A. (editor), Geological processes on continental margins; sedimentation, mass-wasting and stability, *Geological Society Special Publications*, 129, p. 145-166, illus. incl. sects., 1 table, sketch maps, 67 refs, 1998. ISBN: 1-897799-97-7.

Nittrouer CA. 1999 : STRATAFORM: overview of its design and synthesis of its results. *MARINE GEOLOGY*, 154 (1-4): 3-12.

ØZSOY, E., 1986 : Ebb-tidal jets: A model of suspended sediment and mass transport at tidal inlets, *Estuarine, Coastal and Shelf Science*, 22 p. 45-62.

Paraschivoiu, E., Griffiths, C. M., Dyt, C., and Carter, S., 2000, The use of three-dimensional nested forward stratigraphic simulations to provide variable-scale heterogeneity models. Presented at the conference on Upscaling Downunder, Melbourne 7-10 Feb. 2000.

PAOLA, C., 1987 : Grain-size trends and differential subsidence in alluvial basins, SEPM annual midyear meeting, Austin, TX, United States, Aug. 20-23, 1987, vol. 4 p. 63.

PAOLA, C., and BORGMAN, L.,1991 : Reconstructing random topography from preserved stratification, *Sedimentology*, 38 p.553-565.

PAOLA, CHRIS,1988 : Subsidence and gravel transport in alluvial basins, *New perspectives in basin analysis*.(eds) Kleinspehn, Karen L.,Paola, Chris, *Frontiers in sedimentary petrology*.Bouma, Arnold p. 231-243.

PAOLA, CHRIS,1990 : A simple basin filling model for coarse grained alluvial systems,In:*Quantitative dynamic stratigraphy*(eds) Cross, Timothy A. (editor), Prentice Hall, Englewood Cliffs, NJ, United States p. 363-374.

PAOLA, CHRIS; WIELE, STEPHEN M.; REINHART, MARY A.,1989 : Upper-regime parallel lamination as the result of turbulent sediment transport and low-amplitude bed forms, *Sedimentology*, vol. 36, no. 1, p. 47-59.

PAOLA, CHRIS; WILCOCK, PETER,1989 : Downstream fining in gravel bed rivers, *Eos, Transactions, American Geophysical Union*, vol. 70, no. 38, p. 852.

Ramshorn, Christoph (Stanford University, Stanford, CA, United States), Harbaugh, John W., Interactive simulation of delta-building processesAnonymous, *American Association of Petroleum Geologists 1993 annual convention, Annual Meeting Abstracts - American Association of Petroleum Geologists and Society of Economic Paleontologists and Mineralogists*, 1993, p. 169-170, 1993. Meeting: American Association of Petroleum Geologists 1993 annual convention, New Orleans, LA, United States, April 25-28, 1993.

Raper, Jonathan (City University, Department of Information Science, London, United Kingdom), Livingstone, David, Bristow, Charlie S., Horn, Diane, Developing process-response models for spitsKraus, Nicholas C. (editor) (American Society of Civil Engineers, Reston, VA, United States), McDougal, William G. (editor), *Coastal sediments '99, Coastal Sediments ...: Proceedings of the ... International Symposium on Coastal Engineering and Science of Coastal Sediment Processes*, 4, Vol. 3 , p. 1755-1769, illus. incl. 2 tables, sketch map , 22 refs, 1999. ISBN: 0-7844-0436-4. Meeting: 4th international symposium on Coastal engineering and science of coastal sediment processes; Scales of coastal sediment motion and geomorphic change , Hauppauge, NY, United States, June 21-23, 1999.

SLINGERLAND R.,1981 : Qualitative stability analysis of geologic systems, with an example from river hydraulic geometry, *Geology*, 9, 491-493.

SLINGERLAND, R. L.; SNOW, R. S.,1988 : Stability analysis of a rejuvenated fluvial system, *Zeitschrift fuer Geomorphologie. Supplementband: Dynamic approach to natural hazards; proceedings of a symposium*(eds) Scheidegger, A, vol. 67 p. 93-102.

SLINGERLAND, RUDY L.; VOGEL, KOEN; BRIDGE, JOHN S.,1989 : Mathematical modelling of downstream fining in streams, *Eos, Transactions, American Geophysical Union*In:Third scientific assembly of the International Association of Hydrological Science, vol. 70, no. 15, p. 323.

SLINGERLAND, RUDY; LOULE, J. P.,1988 : Wind/wave and tidal processes along the Upper Devonian Catskill shoreline in Pennsylvania, U.S.A., *Memoir - Canadian Society of Petroleum Geologists*, In:Devonian of the world; proceedings of the Second international symposium on, vol. 14 p. 1

SLINGERLAND, RUDY; LOULE, JEAN-PIERRE,1988 : Wind/wave and tidal sedimentation along the Upper Devonian Catskill shoreline in Pennsylvania, USA, *The nineteenth annual Appalachian petroleum geology symposium; Geology of Appalachian Basin Devonian clastics*, Morgantown, WV,

Syvitski JPM, Hutton EWH, 2001 : 2D SEDFLUX 1.0C: an advanced process-response numerical model for the fill of marine sedimentary basins. COMPUTERS & GEOSCIENCES 27 (6): 731-753 JUL

Syvitski, J. P. M. (Geological Survey of Canada, Bedford Institute of Oceanography, Dartmouth, NS, Canada), Alcott, J. M., GRAIN2; predictions of particle size seaward of river mouths, Computers & Geosciences, 19 (3), p. 399-446, 2 tables, 10 refs, 1993.

Syvitski, J. P. M. (Geological Survey of Canada, Bedford Institute of Oceanography, Dartmouth, NS, Canada), Alcott, J. M., RIVER3; simulation of river discharge and sediment transport, Computers & Geosciences, 21 (1), p. 89-151, illus. incl. 2 tables, 24 refs, 1995.

Syvitski, James P. (University of Colorado, Institute of Arctic and Alpine Research, Boulder, CO, United States), Morehead, Mark D., Nicholson, Murray, HYDROTREND; a climate-driven hydrologic-transport model for predicting discharge and sediment load to lakes or oceans, Computers & Geosciences, 24 (1), p. 51-68, illus. incl. 5 tables, 14 refs, 1998.

Syvitski, James P. (University of Colorado, Institute of Arctic and Alpine Research, Boulder, CO, United States), Skene, Kenneth I., Nicholson, Murray K., Morehead, Mark D., PLUME1.1; deposition of sediment from a fluvial plume, Computers & Geosciences, 24 (2), p. 159-171, illus., 24 refs, 1998.

Syvitski, James P. M. (Geological Survey of Canada, Bedford Institute of Oceanography, Dartmouth, NS, Canada), Daughney, S., DELTA2; delta progradation and basin filling, Computers & Geosciences, 18 (7), p. 839-897, 3 tables, 9 refs, 1992.

Tartakovsky, Daniel M. (Los Alamos National laboratory, Geoanalysis Group, Los Alamos, NM, United States), Neuman, Shlomo P., Lu, Zhiming, Conditional stochastic averaging of steady state unsaturated flow by means of Kirchhoff transformation, Water Resources Research, 35 (3), p. 731-745, illus., 45 refs, 1999.

TETZLAFF, D. M., 1986 : Computer simulation model of clastic sedimentary processes, AAPG Bulletin, In: AAPG annual convention with divisions; SEPM/EMD/DPA; technical program and abstracts, Anonymous ,American Associa, vol. 70, no. 5, p. 655.

TETZLAFF, DANIEL M., 1990 : Limits to the predictive ability of dynamic models that simulate clastic sedimentation, In: Quantitative dynamic stratigraphy(eds) Cross, Timothy A. (editor), Prentice Hall, Englewood Cliffs, NJ, United States p. 55-65.

TETZLAFF, DANIEL M.; HARBAUGH, JOHN W., 1989 : Simulating clastic sedimentation, Computer Methods in the Geosciences, Merriam, Daniel F. (editor), Van Nostrand Reinhold, New York, pp.202.

TETZLAFF, DANIEL MATIAS, 1987 : A simulation model of clastic sedimentary processes, PhD Thesis, Stanford Univ., Stanford, CA, United States , Univ. Microfilms, Ann Arbor, MI, United States pp. 367.

Tuttle, Kevin J. (University of Oslo, Department of Geology, Oslo, Norway), Wendebourg, Johannes, Applying sedimentary process simulation to assess the spatial distribution of hydraulic conductivities Harbaugh, John W. (editor) (Stanford University, Department of Geological Sciences, Stanford, CA, United States), Watney, W. Lynn (editor), Rankey, Eugene C. (editor), Slingerland, Rudy (editor), Goldstein, Robert H. (editor), Franseen, Evan K. (editor), Numerical experiments in stratigraphy; recent advances in stratigraphic and sedimentologic computer simulations, Special Publication - Society for Sedimentary Geology, 62 , p. 323-336, illus. incl. block diags., 3 tables, sketch maps , 44 refs, 1999. ISBN: 1-56576-06-1. Meeting: Numerical experiments in stratigraphy; recent advances in stratigraphic and sedimentologic computer simulations , Lawrence, KS, United States, May 15-17, 1996. Includes appendix .

Tuttle, Kevin J. (University of Oslo, Department of Geology, Oslo, Norway), Wendebourg, Johannes, Aagaard, Per, Modeling heterogeneity architecture of a coarse-grained aquifer with sedimentary process simulation Anonymous, Geological Society of America, 1998 annual meeting, Abstracts with Programs - Geological Society of America, 30 (7), p. 105, 1998. Meeting: Geological Society of America, 1998 annual meeting, Toronto, ON, Canada, Oct. 26-29, 1998.

UTNES, T., 1990 : A finite element solution of the shallow-water wave equations, *Appl. Math. Modelling*, 14, January, p.20-29.

VANNIEKERK A, VOGEL KR, SLINGERLAND RL BRIDGE JS. 1992 :Routing Of Heterogeneous Sediments Over Movable Bed - Model Development. *Journal Of Hydraulic Engineering-Asce* , 118 (2): 246-262

VOGEL KR, VANNIEKERK A, SLINGERLAND RL, BRIDGE JS. 1992 :Routing Of Heterogeneous Sediments Over Movable Bed - Model Verification. *Journal Of Hydraulic Engineering-Asce*, 118 (2): 263-279

Wang, G. Q. (Tsinghua University, Department of Hydraulic Engineering, Beijing, China), Wang, X. K., Wang, G. X., Chen, Z. C., Fu, R. S., Physical modeling of sedimentation for the Three Gorge Project Jayawardena, A. W. (editor) (University of Hong Kong, China), Lee, J. H. (editor),

Wang, Z. Y. (editor), *River sedimentation; theory and applications*, p. 661-666, illus. , 1 refs, 1998. ISBN: 90-5809-034-5. Meeting: Seventh international symposium on River sedimentation , Hong Kong, China, Dec. 16-18, 1998.

Wendebourg, Johannes (Institut Francais du Petrole, Rueil-Malmaison, France), Harbaugh, John W., Simulating oil entrapment in clastic sequences, Computer Methods in the Geosciences, 16, p. 199, illus. incl. tables, block diags., sects., strat. cols., sketch maps, 272 refs, 1997. ISBN: 0-08-042431-7.

Wendebourg, Johannes (Institut Francais du Petrole, Rueil-Malmaison, France), Harbaugh, John W., Sedimentary process simulation; a new approach for describing petrophysical properties in three dimensions for subsurface flow simulations Foerster, Andrea (editor) (GeoForschungsZentrum Potsdam, Potsdam), Merriam, Daniel F. (editor), *Geologic modeling and mapping* Merriam, Daniel F., *Computer applications in the earth sciences*, p. 1-25, illus. incl. sects., table, sketch maps, 30 refs, 1993. ISBN: 0-306-45293-6. Meeting: 25th anniversary meeting of the International Association for Mathematical Geology, Prague, Czech Republic, Oct. 10-14, 1993.

Wendebourg, Johannes (Stanford University, Department Applied Earth Sciences, Stanford, CA, United States), Simulating hydrocarbon migration using 3-D geologic process modeling Anonymous, American Association of Petroleum Geologists 1993 annual convention, Annual Meeting Abstracts - American Association of Petroleum Geologists and Society of Economic Paleontologists and Mineralogists, 1993, p. 198-199, 1993. Meeting: American Association of Petroleum Geologists 1993 annual convention, New Orleans, LA, United States, April 25-28, 1993

Wendebourg, Johannes, Simulating hydrocarbon migration and stratigraphic traps, p. 272, 1994. Doctoral from Stanford University, Stanford, CA, United States  
Zeng, Jianjun (Shell Development Company, Bellaire Research Center, Houston, TX, United States), Lowe, Donald R., Numerical stimulation of turbidity current flow and sedimentation Anonymous, American Association of Petroleum Geologists 1993 annual convention, Annual Meeting Abstracts - American Association of Petroleum Geologists and Society of Economic Paleontologists and Mineralogists, 1993, p. 206, 1993. Meeting: American Association of Petroleum Geologists 1993 annual convention, New Orleans, LA, United States, April 25-28, 1993.

## Geometric Models

Abdul Hamid, Zulkefli (PETRONAS, Kuala Lumpur, Malaysia), Lee, Charlie, STRATAGEM forward stratigraphic modelling of the Northwest Sabah deepwater area, Malaysia Anonymous, AAPG international conference and exhibition; abstracts, AAPG Bulletin , 84 (9 ), p. 1395, 2000. Meeting: AAPG international conference and exhibition , Bali, Indonesia, Oct. 15-18, 2000.

AIGNER, THOMAS; LAWRENCE, DAVID T., 1990 : Stratigraphic modeling of sedimentary basins, AAPG Bulletin, vol. 74, no. 11, p. 1772.

ANGEVINE, C. L., HELLER, P. L., and PAOLA, C., 1990 : Quantitative sedimentary basin modeling, AAPG Continuing Education Course Note Series #32 .

BITZER K., HARBAUGH J.W., 1987 : DEPOSIM: A Macintosh computer model for two-dimensional simulation of transport, deposition, erosion, and compaction of clastic sediments, Computers & Geosciences, 13, 6, 611-637.

BITZER, KLAUS; PFLUG, REINHARD, 1990 : DEPO3D; a three dimensional model for simulating clastic sedimentation and isostatic compensation in sedimentary basins, In: Quantitative dynamic stratigraphy (eds) Cross, Timothy A. (editor), Prentice Hall, Englewood Cliffs, NJ, United States p. 335

BONHAM-CARTER, G., and HARBAUGH, J.W., 1970 : Stratigraphic modeling by computer simulation, in Cutbill, J. L., (ed) Systematics Association Special Volume No. 3, "Data processing in Biology and Geology" p.147-164.

CANT D. J., 1989 : Simple equations of sedimentation: applications to sequence stratigraphy, Basin Research, 2 73-81.

DEMICO R. V. SPENCER R. J., 1989 : Maps- A basic program to model accumulation of platform sediments., Comp. Geosc., v. 15, No. 1, p. 95-105.

HARBAUGH J.W., BONHAM-CARTER G., 1970 : Computer simulation in geology, New York: John Wiley and Sons 575.

HARBAUGH, J. W., BONHAM-CARTER, G., 1977 : Computer simulation of continental margin sedimentation, in Golberg, E. D., McCave, I. N., O'Brien, J. J., and Steele, J. H. (eds.) The Sea: Ideas and observations on progress in the study of the seas, 6 p. 623-649.

HARBAUGH, J. W., 1966 : Mathematical simulation of marine sedimentation with IBM 7090/7094 computers, In. Daniel F. Merriam (ed.) Computer Contributions 1, University of Kansas, Lawrence, Kansas .

HELLAND-HANSEN W. KENDALL C. G. S. C. LERCHE I. NAKAYAMA K., 1988 : A simulation of continental basin margin sedimentation in response to crustal movements, eustatic sea level change, and sediment accumulation rates., Math. Geol., v. 20, No. 7, p. 777-803.

JERVEY, M. T., 1988 : Quantitative geological modeling of siliciclastic rock sequences and their seismic expression, Sea-level changes; an integrated approach (eds) Wilgus, Cheryl K., Hastings, Bruce S., Ross, Charles A., Posamentier, Henry, Van Wa, Special Publication

- KENDALL, C. G. S. C.; LERCH, I.; NAKAYAMA, K.,1986 : Simulation of continental margin sedimentation, AAPG Bulletin, vol. 70, no. 5, p. 606.
- KENDALL, C. G. ST. C., MOORE, P., STROBEL, J., CANNON, R., PERLMUTTER, M., BEZDEK, J., and BISWAS, G,1991 : Simulation of the sedimentary fill of basins, In:Franseen, E. K., Watney, W. L., Kendall, C. G. ST. C., and Ross, W. C. (eds) Sedimentary Modeling: Computer simulations and methods for improved parameter definition, Kansas Geological Survey Publicatio
- KENDALL, C. G. ST. C.; LOWRIE, ALLEN,1990 : Simulating modeling of stratigraphic sequences along the Louisiana offshore, Transactions - Gulf Coast Association of Geological Societies.Gulf Coast Association of Geological Societies and Gulf Coast Section, vol. 40 p. 355-361.
- KENDALL, C. G. ST. C.; STROBEL, J.; CANNON, R.; BEZDEK, J.; BISWAS, G.,1991 : The simulation of the sedimentary fill of basins, Journal of Geophysical Research, B, Solid Earth and Planets :Special section on Long-term sea level changes Cloetingh, Sierd, Univ., vol. 96, no.NB4, p. 6911-6929.
- KENDALL, C. G. ST. C.; STROBEL, J.; TANG, J.; MOORE, P.; CANNON, R.; BEZDEK, J.; BISWAS, G.,1989 : Simulation of the Capitan shelf margin (Late Permian, Guadalupian) of West Texas/New Mexico, a response to eustatic change and an example of the use of SEDPAK, SEPM Core Workshop: Subsurface and outcrop examination of the Capitan shelf margin, north
- KOMAR, P. D., 1973 : Computer models of delta growth due to sediment input from rivers and longshore transport, Geol. Soc. America Bulletin, 84 p. 2217-2226.
- KOMAR, P. D., 1977 : Computer simulation of turbidity current flow and the study of deep-sea channels and fan sedimentation, Marine Modeling, 6, Wiley Interscience, New York, p.603-621.
- LAWRENCE, D. T.; DOYLE, M.; AIGNER, T.,1989 : Applications of stratigraphic forward models; Main Pass (U.S. Gulf Coast), Baltimore Canyon (U.S. East Coast), and offshore Sarawak (Malaysia), In: Society of Exploration Geophysicists, 59th annual international meeting, Dallas, TX, United States,
- LAWRENCE, D. T.; DOYLE, M.; SNELSON, S.; HORSFIELD, W. T.,1987 : Stratigraphic modeling of sedimentary basins, AAPG Bulletin, vol. 71, no. 5, p. 582.
- LAWRENCE, DAVID T., 1986 : Processes and products of Late Cretaceous shelf sedimentation, southwestern Wyoming thrust belt, In:Shelf sedimentation, shelf sequences and related hydrocarbon accumulation; Seventh annual research conference, Gulf Coast Secti, vol. 7 p. 16.
- LAWRENCE, DAVID T.; DOYLE, MARK,1988 : Stratigraphic modeling of sedimentary basins, CSPG Reservoir, vol. 15, no. 3, p. 1-2.
- LAWRENCE, DAVID T.; DOYLE, MARK; AIGNER, T.,1990 : Application of stratigraphic forward models in exploration settings, Bulletin - Houston Geological Society, vol. 32, no. 5, p. 7.
- LAWRENCE, DAVID T.; DOYLE, MARK; AIGNER, THOMAS,1990 : Stratigraphic simulation of sedimentary basins; concepts and calibration, AAPG Bulletin, vol. 74, no. 3, p. 273-295.

LAWRENCE, DAVID T.; DOYLE, MARK; SNELSON, SIGMUND; HORSFIELD, W. T., 1987: Stratigraphic modeling of sedimentary basins, In: Expanded abstracts of the 57th annual international Society of Exploration Geophysicists meeting and exposition, New Orleans, LA, vol. 57 p. 407-408.

Liu, K., Griffiths, C. M., Dyt, C. P., (2001, Computer Modelling of the Oxfordian Depositional Systems in the Kendrew Trough, Dampier Sub-Basin. APPEA Journal. p463

Liu, Keyu (CSIRO Division of Petroleum Resources, Australian Petroleum Cooperative Research Center, Australia), Paterson, Lincoln, *Application of high-resolution depositional modeling to reservoir characterisation* Anonymous, *AAPG international conference and exhibition; abstracts, AAPG Bulletin*, 79 (8), p. 1231, 1995. Meeting: AAPG international conference and exhibition, Nice, France, Sept. 10-13, 1995.

Liu, Keyu (CSIRO Petroleum Resources, North Ryde, N.S.W., Australia), Naish, Tim, Carter, Robert M., *Computer simulation of a high-frequency glacio-eustatic sequence, Wanganui Basin, New Zealand; implications to reservoir characterization* Anonymous, *AAPG international conference and exhibition; abstracts, AAPG Bulletin*, 84 (9), p. 1455-1456, 2000. Meeting: AAPG international conference and exhibition, Bali, Indonesia, Oct. 15-18, 2000.

Liu, Keyu (James Cook University, School of Earth Sciences, Townsville, Queensl., Australia), Liang, Trent C. K., Paterson, Lincoln, Kendall, Christopher G. St. C., *Computer simulation of the influence of basin physiography on condensed section deposition and maximum flooding* Carter, Robert M. (editor) (James Cook University, School of Earth Sciences, Townsville, Queensl.), Naish, Tim R. (editor), Ito, Makoto (editor), Pillans, Brad J. (editor), *Sequence stratigraphy in the Plio-Pleistocene; an evaluation, Sedimentary Geology*, 122 (1-4), p. 181-191, illus. incl. 2 tables, sects., 40 refs, 1998.

NAKAYAMA, KAZUO; KENDALL, CHRISTOPHER G. ST. C., 1989 : A simulation of basin margin sedimentation to infer geometry and lithofacies; a carbonate example, In: *Sedimentary facies in the active plate margin* (eds) Taira, Asahiko, Masuda, Fujio *Advances in Earth and planetary sciences, Sedimen, Terra Sci. Publ.*

NAKAYAMA-KKENDALL-CLERCHE-I, 1986 : Basin Analysis, Two-Dimensional Fluid-Flow, Lateral Stratigraphic Variations, Unconformities and Heat-Flux, *ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY*, V.191, APR, pp. 46.

PARKER, R. B., 1985 : Buffers, energy storage, and the mode and tempo of geologic events, *Geology*, 13 p. 440-442.

PITMAN, W. C., 1978: Relationship between eustacy and stratigraphic sequences on passive margins. *Geol. Soc. Amer. Bull.*, v. 89, p.526-577

SCATURO, DAVID M.; KENDALL, CHRISTOPHER G. ST. C.; WENDTE, JACK C., 1987: Simulation of variables controlling carbonate geometry and facies; Judy Creek Reef, West Canada; an example, *AAPG Bulletin*, vol. 71, no. 5, p. 610.

SCATURO, DAVID M.; STROBEL, JOHN S.; KENDALL, CHRISTOPHER G. ST. C.; WENDTE, JACK C.; BISWAS, GAUT, 1989 : Judy Creek; a case study for a two-dimensional sediment deposition simulation, *Controls on carbonate platform and basin development* (eds) Crevello, Paul D., Wilson, James J., Sarg, J. Frederick, Read, J. Fred (e, vol. 44 p. 63-76.

SHUSTER-MW, LAWRENCE-DT, 1991 : Controls on Passive Margin Stratigraphy - Seismostratigraphic and Basin Modeling Evaluation of Georges Bank Basin, *AAPG BULLETIN-AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS*, V.75, 4, pp. 671-672.

SLINGERLAND, RUDY; FURLONG, KEVIN,1986 : Sedimentation and basin analysis in siliciclastic rock sequences; Volume 2, Sedimentology and thermal-mechanical history of basins in the Central Appalachian Orogen, Field trips for the 28th international geological congress(eds) Hanshaw, Penelope M

SLOSS, L. L., 1962 : Stratigraphic models in exploration, Journal of Sed. Petr., 32, 3, p.415-422.

STROBEL J. CANNON R. KENDALL C. G. S. C. BISWAS G.,1989 : Interactive (sedpak) simulation of clastic and carbonate sediments in shelf to basin settings., Comp. Geosc., v. 15, No. 8, p. 1279-1290.

STROBEL, J., KENDALL, C. G. ST. C., BISWAS, G., BEZDEK, J., CANNON, R.,1987 : Preliminary description of the program SEDFIL with carbonate module added., Proc. Geotech. Denver Colorado. Geotech '87, (Computer aided methods and modeling in geology and engineering) p.341-349.

STROBEL, JOHN; CANNON, ROBERT; KENDALL, CHRISTOPHER G. ST. C.; BISWAS, GAUTAM; BEZDEK, JAMES,1989 : Interactive (SEDPACK) simulation of clastic and carbonate sediments in shelf to basin settings, Computers&Geosciences, vol. 15, no. 8, p. 1279-1290.

STROBEL, JOHN; SOEWITO, FREDDY; KENDALL, CHRISTOPHER G. ST. C. ; BISWAS, GAUTAM; BEZDEK, JAMES; CA,1990 : Interactive simulation (SED-pak) of clastic and carbonate sedimentation in shelf to basin settings,In:Quantitative dynamic stratigraphy(eds) Cross, Timothy A. (editor), Prentice Hall, Englewood Cliffs, NJ, United States p. 433-444.

STROBEL-J., CANNON-R., BEZDEK-, BISWAS-G., NORI-R ,KENDALL-C,1988 :Interactive Simulation (Sedbsn) of Clastic and CarbonateSediments in Shelf to Basin Setting,AAPG BULLETIN-AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS, V.72, 5, pp. 252-252.

SYVITSKI, JAMES M.; SMITH, JOHN N.; CALABRESE, E. A.; BOUDREAU, B. P.,1988: Basin sedimentation and the growth of prograding deltas, Journal of Geophysical Research, C, Oceans, vol. 93, no. 6, p. 6895-6908.

TETZLAFF, DANIEL M.,1990 : Limits to the predictive ability of dynamic models that simulate clastic sedimentation, In: Quantitative dynamic stratigraphy(eds) Cross, Timothy A. (editor), Prentice Hall, Englewood Cliffs, NJ, United States p. 55-65.

van der Zwan, C. J. (Shell International Exploration and Production BV, Netherlands), Climate forced sediment supply Anonymous, AAPG international conference and exhibition; abstracts, AAPG Bulletin, 84 (9 ), p. 1510, 2000. Meeting: AAPG international conference and exhibition , Bali, Indonesia, Oct. 15 - 18, 2000.

## Fuzzy-Rules Models

BORNHOLDT, S., NORDLUND, U., WESTPHAL, H., 1999 : Inverse stratigraphic modeling using genetic algorithms. In: Harbaugh, J. W., Watney, W. L., Rankey, E. C., Slingerland, R., Goldstein, R. H., Franseen, E. K.(eds), Numerical experiments in stratigraphy; recent advances in stratigraphic and sedimentologic computer simulations. SEPM, Spec. Publ., Vol. 62, p. 85-90.

Edington, Dwaine H. (Colorado School of Mines, Department of Geology and Geological Engineering, Golden, CO, United States), Poeter, Eileen P., Cross, Timothy A., FLUVSIM; a fuzzy-logic forward model of fluvial systems Anonymous, Geological Society of America, 1998 annual meeting, Abstracts with Programs - Geological Society of America, 30 (7), p. 105, 1998. Meeting: Geological Society of America, 1998 annual meeting, Toronto, ON, Canada, Oct. 26-29, 1998.

Edington, Dwaine H. (Colorado School of Mines, Department of Geology and Geological Engineering, Golden, CO, United States), Poeter, Eileen P., Cross, Timothy A., Improving groundwater models using stratigraphic inversion Anonymous, Geological Society of America, 1999 annual meeting, Abstracts with Programs - Geological Society of America, 31 (7), p. 85, 1999. Meeting: Geological Society of America, 1999 annual meeting, Denver, CO, United States, Oct. 25-28, 1999.

Edington, Dwaine H. (Colorado School of Mines, Golden, CO, United States), Cross, Timothy A., 4-D nonlinear-dynamical fluvial modeling using deterministic equations and fuzzy logic Anonymous, American Association of Petroleum Geologists 1997 annual convention, Annual Meeting Abstracts - American Association of Petroleum Geologists and Society of Economic Paleontologists and Mineralogists, 6, p. 32, 1997. Meeting: American Association of Petroleum Geologists 1997 annual convention, Dallas, TX, United States, April 6-9, 1997.

Hern C, Nordlund U, van der Zwan K, Ladipo K., 2001 :Forward prediction of aeolian systems using fuzzy logic, constrained by data from recent and ancient analogues. GEOLOGIE EN MIJNBOUW-NETHERLANDS JOURNAL OF GEOSCIENCES, 80 (1): 53-70.

Nordlund, U. (Uppsala University, Inst. of Earth Science, Uppsala, Sweden), Silfversparre, M., Fuzzy logic; a means for incorporating qualitative data in dynamic stratigraphic modelling Chung, Chang-Jo F. (chairperson), 1994 International Association for Mathematical Geology annual conference; papers and extended abstracts for technical programs, 39 (1), p. 265-266, illus., 7 refs, 1994. Meeting: 1994 International Association for Mathematical Geology annual conference including the International symposium for mineral exploration (ISME'94) and Geochautauqua '94, Mont Tremblant, PQ, Canada, Oct. 3-5, 1994.

NORDLUND, U., 1996 : Formalizing geological knowledge; with an example of modeling stratigraphy using fuzzy logic, Journal of Sedimentary Research, 66 (4), p. 689-698.

NORDLUND, U., 1999 :Stratigraphic modeling using common-sense rules. In: Harbaugh, J. W., Watney, W. L., Rankey, E. C., Slingerland, R., Goldstein, R. H., Franseen, E. K.(eds), Numerical experiments in stratigraphy; recent advances in stratigraphic and sedimentologic computer simulations. SEPM, Spec. Publ., Vol. 62, p. 245-251

Nordlund U., 1999 : FUZZIM: forward stratigraphic modeling made simple. COMPUTERS & GEOSCIENCES, 25 (4): 449-456.

Nordlund, Ulf (Uppsala University, Institute of Earth Science, Uppsala, Sweden), Silfversparre, Magnus, Modeling stratigraphy using common sense Anonymous, AAPG international conference and exhibition; abstracts, AAPG Bulletin, 79 (8), p. 1240-1241, 1995. Meeting: AAPG international conference and exhibition, Nice, France, Sept. 10-13, 1995.

## Other Models (including Inverse Modeling)

Allen JRL., 1997 : Simulation models of salt-marsh morphodynamics: some implications for high-intertidal sediment couplets related to sea-level change. *SEDIMENTARY GEOLOGY*, 113 (3-4): 211-223.

Bosence, D. W. J. (Univ. Royal Holloway, Dep. Geol., Egham, United Kingdom), Waltham, D., Soria, J., A review of forward-modelling of carbonate platform stratigraphies; what has been achieved? Canaveras, J. C. (editor) (Univ. Alicante, Alicante, Spain), Garcia del Cura, M. A. (editor), Soria, J. (editor), Melendez Hevia, A. (editor), Soria, A. R. (editor), 15th international sedimentological congress; sedimentology at the dawn of the third millennium; abstracts, p. 206, 2 refs, 1998. ISBN: 84-7908-395-6. Meeting: 15th international sedimentological congress, Alicante, Spain, 1998.

Bosence, Dan (R. Holloway and Bedford New Coll., Dep. Geol., Egham, United Kingdom), Waltham, Dave, Computer modeling the internal architecture of carbonate platforms, *Geology (Boulder)*, 18 (1), p. 26-30, illus., 27 refs, 1990

Bosence, Dan (University of London, Department of Geology, Egham, United Kingdom), Cross, Nigel, Hardy, Stuart, Architecture and depositional sequences of Tertiary fault-block carbonate platforms; an analysis from outcrop (Miocene, Gulf of Suez) and computer modelling, *Marine and Petroleum Geology*, 15 (3), p. 203-221, illus. incl. geol. sketch map, sects., block diag., 69 refs, 1998.

Cross, Timothy A. (Colorado School of Mines, Department of Geology and Geological Engineering, Golden, CO, United States), Lessenger, Margaret A., Construction and application of a stratigraphic inverse model Harbaugh, John W. (editor) (Stanford University, Department of Geological Sciences, Stanford, CA, United States), Watney, W. Lynn (editor), Rankey, Eugene C. (editor), Slingerland, Rudy (editor), Goldstein, Robert H. (editor), Franseen, Evan K. (editor), Numerical experiments in stratigraphy; recent advances in stratigraphic and sedimentologic computer simulations, *Special Publication - Society for Sedimentary Geology*, 62, p. 69-83, illus. incl. sects., 1 table, sketch maps, 9 refs, 1999. ISBN: 1-56576-06-1. Meeting: Numerical experiments in stratigraphy; recent advances in stratigraphic and sedimentologic computer simulations, Lawrence, KS, United States, May 15-17, 1996.

Cross, Timothy A. (Colorado School of Mines, Golden, CO, United States), Duan, Taizhong, 3-D carbonate model for stratigraphic prediction Anonymous, AAPG international conference and exhibition; abstracts, *AAPG Bulletin*, 84 (9), p. 1415, 2000. Meeting: AAPG international conference and exhibition, Bali, Indonesia, Oct. 15-18, 2000.

Cross, Timothy A. (Colorado School of Mines, Golden, CO, United States), Duan, Taizhong, 3-D carbonate model for stratigraphic prediction Anonymous, AAPG international conference and exhibition; abstracts, *AAPG Bulletin*, 84 (9), p. 1415, 2000. Meeting: AAPG international conference and exhibition, Bali, Indonesia, Oct. 15-18, 2000.

Cross, Timothy A. (Colorado School of Mines, Golden, CO, United States), Edington, Dwaine, 3-D fluvial model for stratigraphic prediction Anonymous, AAPG international conference and exhibition; abstracts, *AAPG Bulletin*, 84 (9), p. 1415-1416, 2000. Meeting: AAPG international conference and exhibition, Bali, Indonesia, Oct. 15-18, 2000.

Cross, Timothy A. (Colorado School of Mines, Golden, CO, United States), Lessenger, Margaret A., Simultaneous, multi-parameter stratigraphic inversion of the Mesaverde clastic

wedge, San Juan Basin Anonymous, American Association of Petroleum Geologists 1998 annual meeting, Annual Meeting Expanded Abstracts - American Association of Petroleum Geologists, 1998, 1998. Meeting: American Association of Petroleum Geologists 1998 annual meeting, Salt Lake City, UT, United States, May 17-20, 1998.

Duan, Taizhong (Colorado School of Mines, Department of Geology and Geological Engineering, Golden, CO, United States), Griffiths, Cedric, Cross, Timothy, Lessenger, Margaret, Adaptive stratigraphic forward modeling; making forward modeling adapt to conditional data Anonymous, American Association of Petroleum Geologists 1998 annual meeting, Annual Meeting Expanded Abstracts - American Association of Petroleum Geologists, 1998, 1998. Meeting: American Association of Petroleum Geologists 1998 annual meeting, Salt Lake City, UT, United States, May 17-20, 1998.

Edington, Dwaine (Colorado School of Mines, Department of Geology and Geological Engineering, Golden, CO, United States), Cross, Tim, Lessenger, Margaret, Forward and inverse stratigraphic modeling of fluvial systems; a bridge to the future of reservoir management Anonymous, American Association of Petroleum Geologists 1998 annual meeting, Annual Meeting Expanded Abstracts - American Association of Petroleum Geologists, 1998, 1998. Meeting: American Association of Petroleum Geologists 1998 annual meeting, Salt Lake City, UT, United States, May 17-20, 1998.

Edington, Dwaine H. (Colorado School of Mines, Golden, CO, United States), Cross, Timothy A., 4-D nonlinear-dynamical fluvial modeling using deterministic equations and fuzzy logic Anonymous, American Association of Petroleum Geologists 1997 annual convention, Annual Meeting Abstracts - American Association of Petroleum Geologists and Society of Economic Paleontologists and Mineralogists, 6, p. 32, 1997. Meeting: American Association of Petroleum Geologists 1997 annual convention, Dallas, TX, United States, April 6-9, 1997.

Gasparini L, Bonatti E, Ligi M, Sartori R, Borsetti A, Negri A, Ferrari A, Sokolov S., 1997: Stratigraphic numerical modelling of a carbonate platform on the Romanche transverse ridge, equatorial Atlantic. MARINE GEOLOGY, 136 (3-4): 245-257 JAN

Hardy S, Gawthorpe RL. 1998 : Effects of variations in fault slip rate on sequence stratigraphy in fan deltas: Insights from numerical modeling. GEOLOGY, 26 (10): 911-914.

Hardy, Stuart (University of London, Department of Geology, Surrey, United Kingdom), Waltham, Dave, Computer modeling of tectonics, eustacy, and sedimentation using the Macintosh, Geobyte, 7 (6), p. 42-52, illus., 15 refs, 1992.

Hardy, Stuart (University of London, Royal Holloway and Bedford New College, Department of Geology, Egham, United Kingdom), Waltham, Dave, Numerical modelling of tectonics, eustacy and sedimentation Anonymous, American Association of Petroleum Geologists 1993 annual convention, Annual Meeting Abstracts - American Association of Petroleum Geologists and Society of Economic Paleontologists and Mineralogists, 1993, p. 113-114, 1993. Meeting: American Association of Petroleum Geologists 1993 annual convention, New Orleans, LA, United States, April 25-28, 1993.

Hardy, Stuart (University of Manchester, Basin and Stratigraphic Studies Group, Manchester, United Kingdom), Gawthorpe, Robert L., Effects of variations in fault slip rate on sequence stratigraphy in fan deltas; insights from numerical modeling, Geology (Boulder), 26 (10), p. 911-914, illus. incl. sects., 13 refs, 1998.

Hardy, Stuart (University of Manchester, Basin and Stratigraphic Studies Group, Manchester, United Kingdom), Gawthorpe, Rob L., Ritchie, Bryan, Hunt, David, 3D modelling of erosion, transport and deposition from shelf edge to basin floor Anonymous, American Association of Petroleum Geologists 1999 annual meeting, Annual Meeting Expanded Abstracts - American Association of Petroleum Geologists, 1999, p. A55, 1999. Meeting: American Association of Petroleum Geologists 1999 annual meeting, San Antonio, TX, United States, Apr. 11-14, 1999.

Hern C, Nordlund U, van der Zwan K, Ladipo K., 2001 :Forward prediction of aeolian systems using fuzzy logic, constrained by data from recent and ancient analogues. *GEOLOGIE EN MIJNBOUW-NETHERLANDS JOURNAL OF GEOSCIENCES*, 80 (1): 53-70 APR

Lessenger MA, Cross TA., 1996 : An inverse stratigraphic simulation model - Is stratigraphic inversion possible?. *ENERGY EXPLORATION & EXPLOITATION*, 14 (6): 627-637

Lessenger, Margaret A. (Colo. Sch. Mines, Golden, CO, United States), Two-dimensional stratigraphic simulation model of sediment volume partitioning and stacking patterns in sequences of different scales; can we identify forcing functions from stratigraphic attributes? Eynon, George (chairperson), American Association of Petroleum Geologists, 1992 annual convention; abstracts, Annual Meeting Abstracts - American Association of Petroleum Geologists and Society of Economic Paleontologists and Mineralogists, 1992, p. 74-75, 1992. Meeting: American Association of Petroleum Geologists, 1992 annual convention, Calgary, AB, Canada, June 22-24, 1992.

Lessenger, Margaret A. (Colorado School of Mines, Department of Geology and Geological Engineering, Golden, CO, United States), Cross, Timothy A., A stratigraphic inverse simulation model Anonymous, American Association of Petroleum Geologists 1993 annual convention, Annual Meeting Abstracts - American Association of Petroleum Geologists and Society of Economic Paleontologists and Mineralogists, 1993, p. 137, 1993. Meeting: American Association of Petroleum Geologists 1993 annual convention, New Orleans, LA, United States, April 25-28, 1993.

Lessenger, Margaret A. (Colorado School of Mines, Department of Geology and Geological Engineering, Golden, CO, United States), Cross, Timothy A., A stratigraphic inverse simulation model Anonymous, Geological Association of Canada; Mineralogical Association of Canada; annual meeting; program with abstracts--Association Geologique du Canada; Association Mineralogique du Canada; reunion annuelle; programme et resumes, Program with Abstracts - Geological Association of Canada; Mineralogical Association of Canada; Canadian Geophysical Union, Joint Annual Meeting, 1993, p. 58, 1993. Meeting: Geological Association of Canada; Mineralogical Association of Canada; annual meeting; program with abstracts--Association Geologique du Canada; Association Mineralogique du Canada; reunion annuelle; programme et resumes, Edmonton, AB, Canada, May 17-19, 1993.

Lessenger, Margaret A. (Colorado School of Mines, Department of Geology, Golden, CO, United States), Lerche, Ian, Inverse modeling Harbaugh, John W. (editor) (Stanford University, Department of Geological Sciences, Stanford, CA, United States), Watney, W. Lynn (editor), Rankey, Eugene C. (editor), Slingerland, Rudy (editor), Goldstein, Robert H. (editor), Franseen, Evan K. (editor), Numerical experiments in stratigraphy; recent advances in stratigraphic and sedimentologic computer simulations, Special Publication - Society for Sedimentary Geology, 62, p. 29-31, 1999. ISBN: 1-56576-06-1. Meeting: Numerical experiments in stratigraphy; recent advances in stratigraphic and sedimentologic computer simulations, Lawrence, KS, United States, May 15-17, 1996. Includes appendix .

Lessenger, Margaret A., Forward and inverse simulation models of stratal architecture and facies distributions in marine shelf to coastal plain environments, p. 182, 109 refs, 1993. Doctoral from Colorado School of Mines, Golden, CO, United States.

Meesters EH, Bak RPM, Westmacott S, Ridgley M, Dollar S., 1998 : A fuzzy logic model to predict coral reef development under nutrient and sediment stress. *CONSERVATION BIOLOGY*, 12 (5): 957-965 OCT

Nordlund U., 1999 : FUZZIM: forward stratigraphic modeling made simple. *COMPUTERS & GEOSCIENCES*, 25 (4): 449-456.

Ritchie BD, Hardy S, Gawthorpe RL. 1999 : Three-dimensional numerical modeling of coarse-grained elastic deposition in sedimentary basins. *JOURNAL OF GEOPHYSICAL RESEARCH-SOLID EARTH*, 104 (B8): 17759-17780.

Ritchie, Bryan D. (University of Manchester, Department of Earth Sciences, Manchester, United Kingdom), Hardy, Stuart, Gawthorpe, Rob L., Three-dimensional numerical modeling of coarse-grained clastic deposition in sedimentary basins, Journal of Geophysical Research, B, Solid Earth and Planets, 104 (8), p. 17,759-17,780, illus. incl. sects., block diag., 53 refs, 1999.

Swenson JB, Voller VR, Paola C, Parker G, Marr JG. 2000 : Fluvio-deltaic sedimentation: A generalized Stefan problem. *EUROPEAN JOURNAL OF APPLIED MATHEMATICS*, 11 (5), 433-452.

Weltje GJ, Meijer XD, de Boer PL., 1998 : Stratigraphic inversion of siliciclastic basin fills: A note on the distinction between supply signals resulting from tectonic and climatic forcing. *BASIN RESEARCH*, 10 (1): 129-153.

Whitaker, Fiona (University of Bristol, Department of Earth Sciences, Bristol, United Kingdom), Smart, Peter, Hague, Yvette, Waltham, David, Bosence, Daniel, Structure and function of a coupled two-dimensional diagenetic and sedimentological model of carbonate platform evolution in Harbaugh, John W. (editor) (Stanford University, Department of Geological Sciences, Stanford, CA, United States), Watney, W. Lynn (editor), Rankey, Eugene C. (editor), Slingerland, Rudy (editor), Goldstein, Robert H. (editor), Franseen, Evan K. (editor), Numerical experiments in stratigraphy; recent advances in stratigraphic and sedimentologic computer simulations, Special Publication - Society for Sedimentary Geology, 62 , p. 337-355, illus. incl. 1 table , 68 refs, 1999. ISBN: 1-56576-06-1. Meeting: Numerical experiments in stratigraphy; recent advances in stratigraphic and sedimentologic computer simulations , Lawrence, KS, United States, May 15-17, 1996.

Whitaker, Fiona W. (University of Bristol, Department of Geography, Bristol, United Kingdom), Smart, Peter, Hague, Yvette, Waltham, David, Bosence, Dan, Coupled two-dimensional diagenetic and sedimentological modeling of carbonate platform evolution, Geology (Boulder), 25 (2), p. 175-178, sects., 18 refs, 1997.

## Published Computer Programs

BEGIN, Z. B.,1987 : ERFUS 6 - a FORTRAN program for calculating the response of alluvial channels to baselevel lowering, Computers and Geosciences, 13 p.389-398.

BITZER K., HARBAUGH J.W.,1987 : DEPOSIM: A Macintosh computer model for two-dimensional simulation of transport, deposition, erosion, and compaction of clastic sediments, Computers & Geosciences, 13, 6, 611-637.

BRIDGE, J. S., and LEEDER, M. R.,1979 : A simulation model of alluvial stratigraphy, Sedimentology, 26 p.617-644.

HARBAUGH, J. W., 1966 : Mathematical simulation of marine sedimentation with IBM 7090/7094 computers, In: Daniel F. Merriam (ed.) Computer Contributions 1, University of Kansas, Lawrence, Kansas.

STROBEL, J., KENDALL, C. G. ST. C., BISWAS, G., BEZDEK, J., CANNON, R.,1987 : Preliminary description of the program SEDFIL with carbonate modeule added., Proc. Geotech. Denver Colorado. Geotech '87, (Computer aided methods and modeling in geology and engineering) p.341-349.

STROBEL, JOHN; SOEWITO, FREDDY; KENDALL, CHRISTOPHER G. ST. C. ; BISWAS, GAUTAM; BEZDEK, JAMES; CA,1990 : Interactive simulation (SED-pak) of clastic and carbonate sedimentation in shelf to basin settings,In:Quantitative dynamic stratigraphy(eds) Cross, Timothy A. (editor), Prentice Hall, Englewood Cliffs, NJ, United States p. 433-444.

TETZLAFF, DANIEL M., 1990 : SEDO; a simple clastic sedimentation program for use in training and education, In:Quantitative dynamic stratigraphy(eds) Cross, Timothy A. (editor), Prentice Hall, Englewood Cliffs, NJ, United States p. 401-415.

## Case Histories

AIGNER-TBRANDENBURG-AVANVLIET-ADOYLE-M, LAWRENCE-DWESTRICH-J, 1990: Stratigraphic Modeling of Epicontinental Basins - 2 Applications, *SEDIMENTARY GEOLOGY*, V.69, 3-4, pp. 167-190.

ERICKSEN, MARC C.; MASSON, DIDIER S.; SLINGERLAND, RUDY; SWETLAND, DAVID W.,1990 : Numerical simulation of circulation and sediment transport in the Late Devonian Catskill Sea, In:Quantitative dynamic stratigraphy Cross, Timothy A. (editor), Prentice Hall, Englewood Cliffs, NJ, United States p. 293-305.

ERICKSEN, MARC C.; SLINGERLAND, RUDY L.,1990 : Numerical simulations of tidal and wind-driven circulation in the Cretaceous interior seaway of North America, *Geological Society of America Bulletin*, vol. 102, no. 11, p. 1499-1516.

HARBAUGH, J. W., BONHAM-CARTER, G.,1977 : Computer simulation of continental margin sedimentation, in Golberg, E. D., McCave, I. N., O'Brien, J. J., and Steele, J. H. (eds.)*The Sea: Ideas and observations on progress in the study of the seas*, 6 p. 623-649.

LAWRENCE, D. T.; DOYLE, M.; AIGNER, T.,1989 : Applications of stratigraphic forward models; Main Pass (U.S. Gulf Coast), Baltimore Canyon (U.S. East Coast), and offshore Sarawak (Malaysia), In: Society of Exploration Geophysicists, 59th annual international meeting, Dallas, TX, United States,

LAWRENCE, D. T.; DOYLE, M.; SNELSON, S.; HORSFIELD, W. T.,1987 : Stratigraphic modeling of sedimentary basins, *AAPG Bulletin*, vol. 71, no. 5, p. 582.

LAWRENCE, DAVID T., 1986 : Processes and products of Late Cretaceous shelf sedimentation, southwestern Wyoming thrust belt, In:Shelf sedimentation, shelf sequences and related hydrocarbon accumulation; Seventh annual research conference, Gulf Coast Secti, vol. 7 p. 16.

LAWRENCE, DAVID T.; DOYLE, MARK,1988 : Stratigraphic modeling of sedimentary basins, *CSPG Reservoir*, vol. 15, no. 3, p. 1-2.

LAWRENCE, DAVID T.; DOYLE, MARK; AIGNER, T.,1990 : Application of stratigraphic forward models in exploration settings, *Bulletin - Houston Geological Society*, vol. 32, no. 5, p. 7.

LAWRENCE, DAVID T.; DOYLE, MARK; AIGNER, THOMAS,1990 : Stratigraphic simulation of sedimentary basins; concepts and calibration, *AAPG Bulletin*, vol. 74, no. 3, p. 273-295.

LAWRENCE, DAVID T.; DOYLE, MARK; SNELSON, SIGMUND; HORSFIELD, W. T.,1987: Stratigraphic modeling of sedimentary basins, In:Expanded abstracts of the 57th annual international Society of Exploration Geophysicists meeting and exposition,New Orleans, LA, vol. 57 p. 407-408.

NAKAYAMA, KAZUO; KENDALL, CHRISTOPHER G. ST. C.,1989 : A simulation of basin margin sedimentation to infer geometry and lithofacies; a carbonate example, In:Sedimentary facies in the active plate margin(eds) Taira, Asahiko,Masuda, Fujio *Advances in Earth and planetary sciences* ,Sedimen, Terra Sci. Publ.

SCATURO, DAVID M.; KENDALL, CHRISTOPHER G. ST. C.; WENDTE, JACK C.,1987: Simulation of variables controlling carbonate geometry and facies; Judy Creek Reef, West Canada; an example, AAPG Bulletin, vol. 71, no. 5, p. 610.

SCATURO, DAVID M.; STROBEL, JOHN S.; KENDALL, CHRISTOPHER G. ST. C.; WENDTE, JACK C.; BISWAS, GAUT,1989 : Judy Creek; a case study for a two-dimensional sediment deposition simulation, Controls on carbonate platform and basin development(eds) Crevello, Paul D.,Wilson, James J.,Sarg, J. Frederick,Read, J. Fred (e, vol. 44 p. 63-76.

SLINGERLAND, RUDY; FURLONG, KEVIN, 1986 : Sedimentation and basin analysis in siliciclastic rock sequences; Volume 2, Sedimentology and thermal-mechanical history of basins in the Central Appalachian Orogen, Field trips for the 28th international geological congress(eds) Hanshaw, Penelope M

SLINGERLAND, RUDY; LOULE, J. P., 1988 : Wind/wave and tidal processes along the Upper Devonian Catskill shoreline in Pennsylvania, U.S.A., Memoir - Canadian Society of Petroleum Geologists, In:Devonian of the world; proceedings of the Second international symposium on, vol. 14.

SLINGERLAND, RUDY; LOULE, JEAN-PIERRE, 1988 : Wind/wave and tidal sedimentation along the Upper Devonian Catskill shoreline in Pennsylvania, USA, The nineteenth annual Appalachian petroleum geology symposium; Geology of Appalachian Basin Devonian clastics, Morgantown, WV, United S

TETZLAFF, DANIEL M.; HARBAUGH, JOHN W.,1989 : Simulating clastic sedimentation, Computer Methods in the Geosciences,Merriam, Daniel F. (editor), Van Nostrand Reinhold, New York, pp.202.

## General modeling bibliography and references of interest

AGTERBERG-FPGRADSTEIN-FM, 1988 :Recent Developments in Quantitative Stratigraphy,EARTH-SCIENCE REVIEWS, V.25, 1, pp. 1.

ALONSO, R. N.; JORDAN, TERESA E.; TABBUTT, K.,1989 : Neogene sedimentary basins of Argentine southern Puna Plateau, Central Andes Mountains, 28th international geological congress, Washington, DC, United States, July 9-19, 1989 International Geological Congress, Abstracts--Con, vol. 28, no. 1, p. 33-34.

ALONSO, RICARDO N.; JORDAN, TERESA E.; TABBUTT, KENNETH T.; VANDERVOORT, DIRK S.,1991 : Giant evaporite belts of the Neogene Central Andes, Geology (Boulder), vol. 19, no. 4, p. 401-404.

ALSHARHAN, ABDULRAHMAN S.; KENDALL, CHRISTOPHER G. ST. C.,1986 : Precambrian to Jurassic rocks of Arabian Gulf and adjacent areas; their facies, depositional setting, and hydrocarbon habitat, AAPG Bulletin, vol. 70, no. 8, p. 977-1002.

ANAND, T.; BISWAS, G.; PAI, M.; KENDALL, C.; CANNON, R.; BEZDEK, J.; MORGAN, P.,1988 : XX; Hydrocarbon exploration using a knowledge-based approach, AAPG Bulletin, vol. 72, no. 2, p. 155.

ANDERS M.H., KRUEGER S.W., and SADLER P.M.,1986 : A new look at sedimentation rates and the completeness of the stratigraphic record, Journal of Geology, 95 p.1-4.

ASHWORTH, PHILIP J.; PAOLA, CHRISTOPHER, 1989 : Size-selective transport and deposition at mid-channel bars, *Eos, Transactions, American Geophysical Union*: Third scientific assembly of the International Association of Hydrological Sciences, vol. 70, no. 15, p. 322.

AUSICH-WIMEYER-DL, 1990 : Origin and Composition of Carbonate Buildups and Associated Facies in the Fort-Payne Formation (Lower Mississippian, South-Central Kentucky) - An Integrated Sedimentologic and Paleoecologic Analysis, *GEOLOGICAL SOCIETY OF AMERICA BULLETIN*, V.102, 1, pp.

BAUM, GERALD R.; VAIL, PETER R., 1988 : Sequence stratigraphic concepts applied to Paleogene outcrops, Gulf and Atlantic basins, Sea-level changes; an integrated approach (eds) Wilgus, Cheryl K., Hastings, Bruce S., Ross, Charles A., Posamentier, Henry, Van Wa, Special Publication - So

BEER, J. A.; JORDAN, T. E.; JOHNSON, N. M., 1986 : Sedimentary characteristics as a function of sedimentary accumulation rate; a study of Miocene fluvial sediments, Bermejo Basin, Argentina, SEPM annual midyear meeting, Anonymous; Dartmouth Coll., United States, Society of Economic Paleontologists a

BEER, JAMES A.; JORDAN, TERESA E.; JOHNSON, NOYE M., 1987 : Sedimentary velocity and sedimentary environments associated with evolution of the Precordilleran Miocene, Huaco, San Juan Province, Argentinian Republic, *Actas del Decimo congreso geologico argentino*, San Miguel de Tucuman, Argentina, Sept. 14-18, 19

BETHKE-CM, 1989 : Modeling Subsurface Flow in Sedimentary Basins, *GEOLOGISCHE RUNDSCHAU*, V.78, 1, pp. 129-154.

BITZER, K., 1989 : Simulation of pore water flow in evolving sedimentary basins, In: 28th international geological congress, Anonymous, 28th international geological congress, Washington, DC, United States, July 9-19, vol. 28, no. 1, p. 157.

BLAKENEY, B.; SLINGERLAND, R., 1986 : Rayleigh-Taylor instability as the origin of certain soft-sediment deformation structures, *AAPG Bulletin*, vol. 70, no. 5, p. 567.

BOND, GERARD C.; KOMINZ, MICHELLE A.; GROTZINGER, JOHN P., 1988 : Cambro-Ordovician eustasy; evidence from geophysical modelling of subsidence in Cordilleran and Appalachian passive margins, *New perspectives in basin analysis*. (eds) Kleinspehn, Karen L., Paola, Chris, *Frontiers in sedimentary petrology*. Bouma, Ar

BULLARD, T. F.; WELLS, S. G.; GARDNER, T. W.; PINTER, N.; SLINGERLAND, R. L., 1988 : Geomorphic and pedogenic evolution of an emergent coastal piedmont, Osa Peninsula, Costa Rica; implications for latest Quaternary tectonism and fluvial adjustments, *Geological Society of America 1988 centennial celebration*, Denver, CO, United States

BURBANK, DOUGLAS W.; RAYNOLDS, ROBERT G. H., 1988 : Stratigraphic keys to the timing of thrusting in terrestrial foreland basins; applications to the northwestern Himalaya, *New perspectives in basin analysis* (eds) Kleinspehn, Karen L., Paola, Chris, *Frontiers in sedimentary petrology*. Bouma, Arnold

CANT D. J., 1989 : Simple equations of sedimentation: applications to sequence stratigraphy, *Basin Research*, 2 73-81.

CERVENY, F.; NAESER, N. D.; ZEITLER, K.; NAESER, CHARLES W.; JOHNSON, N. M., 1988 : History of uplift and relief of the Himalaya during the past 18 million years; evidence from fission-track ages of detrital zircons from sandstones of the Siwalik Group, *New perspectives in basin analysis*. (eds) Kleinspehn, Karen L., Paola, Chris,

CHRISTAKOS-G, 1987 :Stochastic Simulation of Spatially Correlated Geo-Processes,MATHEMATICAL GEOLOGY, V.19, 8, pp. 807-831.

CISNE, JOHN L.; GILDNER, RAYMOND F.,1988 : Measurement of sea-level change in epeiric seas; the Middle Ordovician transgression in the North American Midcontinent, Sea-level changes; an integrated approach(eds) Wilgus, Cheryl K.,Hastings, Bruce S.,Ross, Charles A.,Posamentier, Henry,Va

CLEMENS, S., PRELL, W., MURRAY, D., SHIMMIELD, G., WEEDON, G.,1991 : Forcing mechanisms of the Indian Ocean monsoon, Nature, 353, 634624 Oct. 1991, pp.720-725.

CLIFTON, H. EDWARD; HUNTER, RALPH E.; GARDNER, JAMES V.,1988 : Analysis of eustatic, tectonic, and sedimentologic influences on transgressive and regressive cycles in the upper Cenozoic Merced Formation, San Francisco, California, New perspectives in basin analysis . (eds) Kleinspehn, Karen L. ,Paola, Chris, Fr

CLOETINGH, SIERD, 1988 : Intraplate stresses; a new element in basin analysis, New perspectives in basin analysis.(eds) Kleinspehn, Karen L.,Paola, Chris, Frontiers in sedimentary petrology. Bouma, Arnol p. 205-23.

COLBY-ND, BOARDMAN-MR,1989 :Depositional Evolution of a Windward, High-EnergyLagoon, Grahams Harbor, San-Salvador, Bahamas,JOURNAL OF SEDIMENTARY PETROLOGY, V.59, 5, pp. 819-834.

CONTRERAS-J, SUTER-M, 1990 :Kinematic Modeling of Cross-Sectional DeformationSequences by Computer-Simulation,JOURNAL OF GEOPHYSICAL RESEARCH-SOLID EARTH AND PLANETS, V.95, NB13, pp. 1913-1929.

Courtney, R. C. (Geological Survey of Canada, Bedford Institute of Oceanography, Dartmouth, NS, Canada), Syvitski, J. P. M., Simulation of synthetic seismic profiles from process-based stratigraphic modelsAnonymous, AGU 1996 fall meeting, Eos, Transactions, American Geophysical Union, 77 (46, Suppl.), p. 330, 1996. Meeting: American Geophysical Union 1996 fall meeting, San Francisco, CA, United States, Dec. 15-19, 1996.

CROSS, TIMOTHY A.,1988 : Controls on coal distribution in transgressive-regressive cycles, Upper Cretaceous, Western Interior, U.S.A., Special Publication - Society of Economic Paleontologists and Mineralogists : Sea-level changes; an integrated approach(eds) Wilgus, C, vol

CROSS, TIMOTHY A.; HARBAUGH, JOHN W.,1990 : Quantitative dynamic stratigraphy; a workshop, a philosophy, a methodology, Quantitative dynamic stratigraphy, Denver, CO, United States, Feb. 1988,,Prentice Hall, Englewood Cliffs, NJ, United State p. 3-20.

DAMANTI, J. F.; JORDAN, T. E.,1987 : Diagenesis of synorogenic sediments from Huaco, Argentina; sediment compaction and migration of diagenetic waters, SEPM annual midyear meeting, Austin, TX, United States, Aug. 20-23, 1987, Vol. ? p. 18.

DAMANTI, JOHN F.; JORDAN, TERESA E.,1989 : Cementation and compaction history of synorogenic foreland basin sedimentary rocks from Huaco, Argentina, AAPG Bulletin, vol. 73, no. 7, p. 858-873.

DICKINSON, WILLIAM R.,1988 : Provenance and sediment dispersal in relation to paleotectonics and paleogeography of sedimentary basins, New perspectives in basin analysis . (eds) Kleinspehn, Karen L. , Paola, Chris, Frontiers in sedimentary petrology. Bouma, Arnol p. 3-25.

DIEMER, J., 1989 : Acadian foreland basin deposits at Port Royal, PA, In: Sedimentation and basin analysis in siliciclastic rock sequences; Volume 2, Sedimentology and thermal-mechanical history of bas, Field trips for the 28th international geological p. 54-56.

DILL, ROBERT F.; KENDALL, CHRISTOPHER G. ST. C.; SHINN, EUGENE A., 1989 : Giant subtidal stromatolites and related sedimentary features, Field trips for the 28th international geological congress(eds) Hanshaw, Penelope M. (editor), Am. Geophys. Union, Washington, DC, Uni pp. 33.

DROMGOOLE, E.; KENDALL, C. G. S. C.; LERCHE, I.; SCATURO, D.; WALTER, L. M., 1986 : Simulation of carbonate depositional response to nutrient supply, sunlight, temperature, salinity, oxygen, sea level, and tectonism, AAPG Bulletin, vol. 70, no. 5, p. 584.

Donovan, A. D.; Baum, Gerald R.; Blechschmidt, G. L.; Loutit, Tom S.; Pflum, C. E.; Vail, Peter R., 1988 : Sequence stratigraphic setting of the Cretaceous-Tertiary boundary in central Alabama, Everest Geotech, Houston, TX, United States; Chevron U.S.A., United States, Exxon Prod. Res., United States, Univ. S.C., United Sta, Special Publication - Soci

EBERLI, GREGOR P.; KENDALL, CHRISTOPHER G. ST. C.; PERLMUTTER, MARTY; MOORE, PHIL; CANNON, ROBERT;, 1990 : Simulation of the response of carbonate sequences to eustatic sealevel changes (Tertiary, Northwest Great Bahama Bank); a scheme for enhancing seismic interpretation, AAPG Bulletin, vol. 74, no. 5, p. 647.

EMBRY, ASHTON F., 1988 : Triassic sea-level changes; evidence from the Canadian Arctic Archipelago, Sea-level changes; an integrated approach(eds) Wilgus, Cheryl K., Hastings, Bruce S., Ross, Charles A., Posamentier, Henry, Van Wa, Special Publication - Society of Econo

ERICKSEN, MARC C.; MASSON, DIDIER S.; SLINGERLAND, RUDY; SWETLAND, DAVID W., 1990 : Numerical simulation of circulation and sediment transport in the Late Devonian Catskill Sea, In: Quantitative dynamic stratigraphy Cross, Timothy A. (editor), Prentice Hall, Englewood Cliffs, NJ, United States p. 293-305.

ERICKSEN, MARC C.; SLINGERLAND, RUDY L., 1990 : Numerical simulations of tidal and wind-driven circulation in the Cretaceous interior seaway of North America, Geological Society of America Bulletin, vol. 102, no. 11, p. 1499-1516.

FALLS, W. FRED; WILLIAMS, D. F.; KENDALL, CHRISTOPHER G. ST. C.; DILL, R. F., 1990 : Stable oxygen and carbon isotope study of Recent sediments and cements, Lee Stocking Island, Bahamas; organic vs. inorganic precipitation, AAPG Bulletin, vol. 74, no. 5, p. 652.

FARROW, G. E., SYVITSKY, J. P. M., and TUNNICLIFFE, V., 1983 : Suspended particulate loading on the macrobenthos in a highly turbid fjord: Knight inlet, British Columbia, Can. J. Fish. Aquat. Sci., 40, Suppl. 1, p.273-288.

FIELDING, ERIC J.; ALONSO, RICARDO N.; JORDAN, TERESA E., 1986 : Spectral stratigraphy; distinguishing sedimentary rocks of the Argentine Puna with TM imagery, Geological Society of America, 99th annual meeting; , San Antonio, TX, United States, Nov. 10-13, 1986, vol. 18, no. 6, p. 601.

FLEMINGS, B.; JORDAN, T. E., 1987 : Sedimentary response in a foreland basin to thrusting; a forward modelling approach, Geological Society of America, 1987 annual meeting and exposition, (eds.) Dickinson, William R. , Phoenix, AZ, United States, Oct. 26-, vol. 19, no. 7, p. 664.

FLEMINGS, PETER B.; JORDAN, TERESA E., 1990 : Stratigraphic modeling of foreland basins; interpreting thrust deformation and lithosphere rheology, Geology, vol. 18, no. 5, p. 430-434.

FLEMINGS, PETER B.; JORDAN, TERESA E.,1989 : A synthetic stratigraphic model of foreland basin development, *Journal of Geophysical Research, B, Solid Earth and Planets*, vol. 94, no. 4, p. 3851-3866.

FLEMINGS, PETER B.; JORDAN, TERESA E.,1990 : Modeling stratigraphic sequences in clastic sedimentary basins, *AAPG Bulletin*, vol. 74, no. 5, p. 654.

FLEMINGS, PETER B.; JORDAN, TERESA E.,1986 : Paleogeography of Paleocene Wind River basin, *AAPG Bulletin*, vol. 70, no. 8, p. 1039.

FLEMINGS, PETER BARRY,1987 : The paleogeography of the Maastrichtian and Paleocene Wind River basin; interpreting Rocky Mountain foreland deformation, Master Thesis, Cornell University 175 p..

FLEMINGS, PETER BARRY,1990 : Synthetic stratigraphy of foreland basins and bedload transport in a graded stream, Doctoral Thesis, Cornell University, Cornell Univ., Ithaca, NY, United States , Univ. M pp. 146.

FRANSEEN, E. K., WATNEY, W. L., KENDALL, C. G. ST. C., and ROSS, W. C.,1991 : Sedimentary Modeling: Computer simulations and methods for improved parameter definition, *Kansas Geological Survey Publication*, Lawrence, Kansas pp. ?.

GASSE, F., ARNOLD, M., FONTES, J. C., FORT, M., GIBERT, E., HUC, A., LI, B., LI, Y., LIU, Q., ET AL.,1991 : A 13000-year climate record from western Tibet, *Nature*, 353, 6346 24 Oct. 1991, pp. 742-745.

GREENBERG, D. A., and AMOS, C. L.,1983 : Suspended sediment transport and deposition modeling in the Bay of Fundy, Nova Scotia - a region of potential tidal power development, *Can. J. Fish. Aquat. Sci.*, 40, Suppl. 1), p.20-34.

GREENLEE, STEPHEN M.; MOORE, THEODORE C.,1988 : Depositional sequences and calculation of sea-level changes from stratigraphic data; offshore New Jersey and Alabama Tertiary, Sea-level changes; an integrated approach(eds) Wilgus, Cheryl K.,Hastings, Bruce S.,Ross, Charles A.,Posamentier,

Griffiths, Cedric M. (BP Research Institute, Trondheim), Nordlund, Ulf, Chronosome and quantitative stratigraphy, Jiangnan Shiyou Xueyuan Xuebao = Journal of the Jiangnan Petroleum Institute, 18 (4), p. 1-8, illus., 33 refs, 1996.

Griffiths, Cedric M. (BP/Sutoil Alliance, BP Research, Trondheim, Norway), Nordlund, Ulf, Chronosomes and quantitative stratigraphyNishiwaki, Niichi (editor), Recent advances in geomathematics and geoinformatics, Joho Chishitsu = Geoinformatics, 4 (3), p. 327-336, illus., 52 refs, 1993. Meeting: 29th international geological congress, Section 22 symposium on Geomathematics and geoinformatics, Kyoto, Japan, Aug. 24-Sept. 3, 1993.

GROTZINGER, JOHN P.; MCCORMICK, DAVID S.,1988 : Flexure of the early Proterozoic lithosphere and the evolution of Kilohigok Basin (1.9 Ga), Northwest Canadian Shield,New perspectives in basin analysis.(eds) Kleinspehn, Karen L. , Paola, Chris ,, *Frontiers in sedimentary petrology*.Bouma, Arnold,

HALLAM, A., 1988 : A reevaluation of Jurassic eustasy in the light of new data and the revised Exxon curve, Sea-level changes; an integrated approach(eds) Wilgus, Cheryl K.,Hastings, Bruce S.,Ross, Charles A.,Posamentier, Henry, Van Wa, Special Publication - Soci

HAQ, BILAL U.; HARDENBOL, JAN; VAIL, PETER R.,1988 : Mesozoic and Cenozoic chronostratigraphy and cycles of sea-level change, Sea-level changes; an integrated approach(eds) Wilgus, Cheryl K.,Hastings, Bruce S.,Ross, Charles A.,Posamentier, Henry W.,Van, Special Publication - Society of Economic

HARBAUGH, JOHN W.,1989 : Report; International Geological Correlation Project (IGCP) 269, Carbonates and Evaporites, vol. 4, no. 1, p. 128-129.

HEIN, FRANCES J.; SYVITSKI, J. M.,1987 : Variations in lithofacies between two neighbouring fjords; McBeth and Itirbilung fjords, Baffin Island, Canada, International Union for Quaternary Research, XII SUP th international congress, Ottawa, ON, Canada, July 31-Aug. 9, 1987, Congress of the I

HEIN, FRANCES J.; SYVITSKI, JAMES M.,1988 : Evolution of Sept-Iles delta complexes and shallow marine placer, north shore of Gulf of St. Lawrence, Quebec, Geological Association of Canada, Mineralogical Association of Canada, Canadian Society of Petroleum Geologists, 1988 joint annual m, vo

HELLAND-HANSEN, W.; STEEL, R.; NAKAYAMA, K.; KENDALL, CHRISTOPHER G. ST. C.,1989 : Review and computer modelling of the Brent Group stratigraphy,In:Deltas; sites and traps for fossil fuels(eds) Whateley, M. K. G., Pickering, K. T., Special scientific meeting of the Geological S, Geological Society Special Publications , vol. 41

HELLER, PAUL L.; ANGEVINE, CHARLES L.; PAOLA, CHRISTOPHER,1989 : Thrusting and gravel progradation in foreland basins; a test of post-thrusting gravel dispersal; discussion (reply see Burbank, D. W., et al., Geology (Boulder), v. 17, pp. 960, 1989; for reference to o, Geology (Boulder), vol. 17, no. 10, p. 959-960.

HELLER, PAUL L.; ANGEVINE, CHARLES L.; WINSLOW, NANCY S.; PAOLA, CHRISTOPHER,1988 : Two-phase stratigraphic model of foreland-basin sequences, Geology (Boulder), vol. 16, no. 6, p. 501-504.

HELLER, PAUL L.; FROST, CAROL D.,1988 : Isotopic provenance of clastic deposits; application of geochemistry to sedimentary provenance studies, New perspectives in basin analysis.(eds) Kleinspehn, Karen L.,Paola, Chris, Frontiers in sedimentary petrology. Bouma, Arnold p. 27-42.

HELLER, PAUL L.; PAOLA, CHRIS,1989 : The paradox of Lower Cretaceous gravels and the initiation of thrusting in the Sevier orogenic belt, United States Western Interior, Geological Society of America Bulletin, vol. 101, no. 6, p. 864-875.

HELLER, PAUL L.; WINSLOW, NANCY S.; PAOLA, CHRISTOPHER,1986 : Sedimentation and subsidence across a foreland basin; observations and results from the Western Interior, Geological Society of America, 99th annual meeting;San Antonio, TX, United States, Nov. 10-13, 1986, vol. 18, no. 6, p. 634.

HENNEBERT-MLEES-A,1991 :Environmental Gradients in Carbonate Sediments and Rocks Detected by Correspondence-Analysis - Examples from theRecent of Norway and the Dinantian of Southwest England,SEDIMENTOLOGY, V.38, 5, pp. 623-642.

HSUE, KENNETH J., 1988 : Relict back-arc basins; principles of recognition and possible new examples from China, New perspectives in basin analysis(eds) Kleinspehn, Karen L., Paola, Chris, Frontiers in sedimentary petrology. Bouma, Arnol p. 245-263.

JOHNSON, A. T.; JORDAN, TERESA E.; JOHNSON, NOYE M.; NAESER, C. W.,1987: Chronology and sedimentation velocity in a volcanoclastic sequence, Rodeo, San Juan Province, Argentina, Actas del Decimo congreso geologico argentino, San Miguel de Tucuman, Argentina, Sept. 14-18, 1987, vol. 10, no. 2, p. 87-90.

JOHNSON, N. M.; SHEIKH, KHALID A.; DAWSON-SAUNDERS, ELIZABETH; MCRAE, LEE E.,1988 : The use of magnetic-reversal time lines in stratigraphic analysis; a case study in measuring variability in sedimentation rates, *New perspectives in basin analysis*.(eds) Kleinspehn, Karen L.,Paola, Chris, *Frontiers in sedimentary petrology*.Bouma

JOHNSON, NOYE M.; JORDAN, TERESA E.; JOHNSON, PATRICIA A.; NAESER, CHARLES W.,1986 : Magnetic polarity stratigraphy, age and tectonic setting of fluvial sediments in an eastern Andean foreland basin, San Juan Province, Argentina, *Foreland basins*. (eds) Allen, Philip A., Homewood, Peter, *International Association of Sedimentologists*

JORDAN, T. E., and FLEMINGS, P. B.,1991 : Large-scale stratigraphic architecture, eustatic variation, and unsteady tectonism: a theoretical evaluation, *Journal of Geophysical Research*, 96, B4, pp. 6681-6699.

JORDAN, TERESA E.; ALONSO, RICARDO N.,1987 : Cenozoic stratigraphy and basin tectonics of the Andes Mountains, 20 degrees -28 degrees south latitude, *AAPG Bulletin*, vol. 71, no. 1, p. 49-64.

JORDAN, TERESA E.; FLEMINGS, PETER B.,1989 : Dependence of stratigraphic sequence architecture on basin type, *Geological Society of America*, 1989 annual meeting: Dymek, Robert F.; Shelton, Kevin L. ,*Geological Society of America*, 1989 annual meet, vol. 21, no. 6, p. A35.

JORDAN, TERESA E.; FLEMINGS, PETER B.,1990 : From geodynamic models to basin fill; a stratigraphic perspective,In:*Quantitative dynamic stratigraphy*, ) Cross, Timothy A. (editor), Prentice Hall, Englewood Cliffs, NJ, United States p. 149-163.

JORDAN, TERESA E.; FLEMINGS, PETER B.; BEER, JAMES A.,1987 : Foreland basin indicators of thrust belt activity; resolution and limitations, *Geological Society of America*, 1987 annual meeting and exposition, (eds.) Dickinson, William R.,*Geological Society of America*, 1987, vol. 19, no. 7, p. 720.

JORDAN, TERESA E.; FLEMINGS, PETER B.; BEER, JAMES A.,1988 : Dating thrust-fault activity by use of foreland-basin strata,*New perspectives in basin analysis* (eds) Kleinspehn, Karen L.,Paola, Chris, *Frontiers in sedimentary petrology*. Bouma, Arnold p. 307-330.

JORDAN, TERESA E.; FLEMINGS, PETER BARRY,1990 : A theoretical evaluation of sequence stratigraphy in a clastic foreland basin, *Abstracts with Programs - Geological Society of America : Geological Society of America*, Northeastern Section, 25th annual meeting,, S, vol. 22, no. 2, p. 26-27.

KENDALL, C. G. ST. C.,1990 : Holocene tidal flat sequences of Abu Dhabi, an analogue to the Upper Permian back reef carbonates of West Texas and New Mexico, *Bulletin - West Texas Geological Society*, vol. 29, no. 6, p. 13.

KENDALL, C. G. ST. C.; LERCHE, IAN,1988 : The rise and fall of eustasy, Sea-level changes; an integrated approach(eds) Wilgus, Cheryl K.,Hastings, Bruce S.,Ross, Charles A.,Posamentier, Henry W.,Van, *Special Publication - Society of Economic Paleontology*, vol. 42, p. 3-17.

KENDALL, C. G. ST. C.; MOORE, PHIL; CANNON, ROBERT,1990 : A challenge; is it possible to determine eustasy?, *Abstracts with Programs - Geological Society of America .Geological Society of America*, 1990 annual meeting, Anonymous ,*Geological Soc*, vol. 22, no. 7, p. 28.

KENDALL, C. G. ST. C.; WARREN, JOHN K.,1988 : Peritidal evaporites and their sedimentary assemblages, *Evaporites and hydrocarbons*(eds) Schreiber, B. Charlotte, Columbia Univ. Press, New York, NY, United States p. 66-138.

KLEINSPEHN, KAREN L., 1988 : Sedimentary basins in the context of allochthonous terranes, *New perspectives in basin analysis* (eds) Kleinspehn, Karen L. ,Paola, Chris, *Frontiers in sedimentary petrology*.Bouma, Arnold p. 295-305.

KOLLA, V.; MACURDA, D. B., JR.,1988 : Sea-level changes and timing of turbidity-current events in deep-sea fan systems, *Special Publication - Society of Economic Paleontologists and Mineralogists: Sea-level changes; an integrated approach*(eds) Wilgus, Ch, vol. 42 p. 381-392.

LAKHAN, V. C.,1989 : Modeling and simulation of the coastal system, in: Lakhan and Tranhaile (eds.) *Applications in coastal modeling*, Elsevier Oceanography Series, No. 49, Elsevier, Amsterdam, p. 17-41.

LAKHAN, V. C. and TRENHAILE, A. S. (Eds.),1989 : *Applications in coastal modeling*, Elsevier Oceanography Series, 49, Elsevier, Amsterdam pp. 387.

LAKHAN, V. C., and TRENHAILE, A. S.,1989 : Models and the coastal system, in: Lakhan and Tranhaile (eds.) *Applications in coastal modeling*, Elsevier Oceanography Series, No. 49, Elsevier, Amsterdam, p. 1-16.

LEE, YOUNG-HOON; MARTINEZ, PAUL A.; HARBAUGH, JOHN W.,1990 : Dynamic 3-D graphics critical element in Stanford's SEDSIM Project, *Geobyte*, vol. 5, no. 1, p. 37-38.

LEE-YHHASKELL-NLBUTLER-MLHARBAUGH-JW,1991 :3-Dimensional Modeling of Arkansas River Sedimentation,*AAPG BULLETIN-AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS*, V.75, 5, pp. 619-619.

LERCHE, I.; DROMGOOLE, E.; KENDALL, C. G. ST. C.; WALTER, L. M.; SCATURO, D.,1987 : Geometry of carbonate bodies; a quantitative investigation of factors influencing their evolution, *Carbonates and Evaporites*, vol. 2, no. 1, p. 15-42.

LEVINE, J. R.; SLINGERLAND, RUDY,1989 : Alleghanian foreland basin deposits at Pottsville, PA, In:*Sedimentation and basin analysis in siliciclastic rock sequences; Volume 2, Sedimentology and thermal-mechanical history of bas*, Field trips for the 28th international geological p. 59-

LOUTIT, TOM S.; HARDENBOL, JAN; VAIL, PETER R.; BAUM, GERALD R.,1988 : Condensed sections; the key to age determination and correlation of continental margin sequences, *Sea-level changes; an integrated approach*(eds) Wilgus, Cheryl K.,Hastings, Bruce S.,Ross, Charles A.,Posamentier, Henry, Van Wa, *Special Publicati*

LUNDBERG, NEIL; DORSEY, REBECCA J.,1988 : Synorogenic sedimentation and subsidence in a Plio-Pleistocene collisional basin, eastern Taiwan,*New perspectives in basin analysis*(eds) Kleinspehn, Karen L., Paola, Chris, *Frontiers in sedimentary petrology*. Bouma, Arnol p. 265-280.

MANSPEIZER, W.; HUNTOON, J.,1989 : Early Mesozoic rift basins of eastern North America; origin and evolution, *Sedimentation and basin analysis in siliciclastic rock sequences; Volume 2, Sedimentology and thermal-mechanical history of basins i*, Field trips for the 28th international g

MANSPEIZER, W.; LUCAS, M., 1989 : Mesozoic rift basin deposits along the Delaware River, Stockton to Milford, NJ, In: Sedimentation and basin analysis in siliciclastic rock sequences; Volume 2, Sedimentology and thermal-mechanical history of bas, Field trips for the 28th international

MARTINEZ, P. A., and HARBAUGH, J. W., 1989 : Computer simulation of wave and fluvial-dominated nearshore environments, in: Lakhan and Tranhaile (eds.) Applications in coastal modeling, Elsevier Oceanography Series, No. 49, Elsevier, Amsterdam, p. 297-340.

MARTINEZ, P. A., and HARBAUGH, J. W., 1989 : Computer simulation of wave and fluvial-dominated nearshore environments, in Lakhen, V. C., and Trenhaile, A. S. (eds) Applications in coastal modelling, Elsevier Oceanography Series, 49, Elsevier, Amsterdam, 297-340.

MCBRIDE, EARLE F., 1988 : Source-area characterization; introduction, New perspectives in basin analysis (eds) Kleinspehn, Karen L., Paola, Chris, Frontiers in sedimentary petrology. Bouma, Arnol p. 1-2.

MCDONOUGH, KATIE JOE; CROSS, TIMOTHY A., 1991 : Late Cretaceous sea level from a paleoshoreline, Journal of Geophysical Research, B, Solid Earth and Planets : Special section on Long-term sea level changes. Cloetingh, Sierd (edito, vol. 96, no. 4, p. 6591-6607.

MCLOUGHLIN-RJWARD-TJDAVIS-TLO, 1988 : Sedimentary Provinces, and Associated Bedforms and Benthos on the Scott Reef Rowley Shoals Platform Off Northwest Australia, AUSTRALIAN JOURNAL OF MARINE AND FRESHWATER RESEARCH, V.39, 5, pp. 133-144.

MIALL, ANDREW D., 1988 : Facies architecture in clastic sedimentary basins, New perspectives in basin analysis. (eds) Kleinspehn, Karen L., Paola, Chris, Frontiers in sedimentary petrology. Bouma, Arnold p. 67-81.

MILLIMAN, J. D., and MEADE, R. H., 1982 : World-wide delivery of river sediment to the oceans, Jour. Geology, 91 p.1-21.

Morehead, Mark D. (University of Colorado, Institute of Arctic and Alpine Research, Boulder, CO, United States), Syvitski, James P., Hutton, Eric W. H., The link between abrupt climate change and basin stratigraphy; a numerical approach Fard, Amir Mokhtari (editor) (Stockholm University, Department of Physical Geography and Quaternary, Stockholm, Sweden), Recognition of abrupt climate changes in clastic sedimentary environments, Global and Planetary Change, 28 (1-4), p. 107-127, illus. incl. 5 tables, 53 refs, 2001.

NAKAYAMA, K.; KENDALL, C. G. S. C.; LERCHE, I., 1986 : Time-dependent two-dimensional fluid flow model for basin history reconstruction, AAPG Bulletin, vol. 70, no. 5, p. 624-625.

NELSON-CSHEAD-PSKEANE-SL, 1988 : Non-Tropical Carbonate Deposits on the Modern New Zealand Shelf, SEDIMENTARY GEOLOGY, V.60, 1-4, pp. 71-94.

NEMEC, W., 1988 : Coal correlations and intrabasinal subsidence; a new analytical perspective, New perspectives in basin analysis. (eds) Kleinspehn, Karen L., ; Paola, Chris, Frontiers in sedimentary petrology. Bouma, Arnol p. 161-188.

NICOLIS, G., AND NICOLIS, C., 1991 : Non-linear dynamical systems in geosciences., In: Franseen, E. K., Watney, W. L., Kendall, C. G. S. C., and Ross, W. C. (eds) Sedimentary Modeling: Computer simulations and methods for improved parameter definition, Kansas Geological Survey Publication.

Nordlund, Ulf (NTH, Division of Petroleum Engineering and Applied Geophysics, Trondheim, Norway), Griffiths, Cedric M., Automatic construction of two- and three-dimensional chronostratigraphic sections from digitized seismic data, Computers & Geosciences, 19 (8), p. 1185-1205, illus., 3 refs, 1993.

Nordlund, Ulf (University of Trondheim, Institute for Petroleum Technology and Applied Geophysics, Trondheim, Norway), Griffiths, Cedric M., An example of the practical use of chronosomes in quantitative stratigraphy Nishiwaki, Niichi (editor), Recent advances in geomathematics and geoinformatics, Joho Chishitsu = Geoinformatics, 4 (3), p. 313-325, illus. incl. sects., 16 refs, 1993. Meeting: 29th international geological congress, Section 22 symposium on Geomathematics and geoinformatics, Kyoto, Japan, Aug. 24-Sept. 3, 1993.

Nordlund, Ulf (Univ. Trondheim), Griffiths, Cedric M., An example of the practical use of chronosomes in quantitative stratigraphy Anonymous, 29th international geological congress; abstracts, International Geological Congress, Abstracts--Congres Geologique Internationale, Resumes, 29, p. 263, 1992. Meeting: 29th international geological congress, Kyoto, Japan, Aug. 24-Sept. 3, 1992.

OJAKANGAS, RICHARD W., 1988 : Glaciation; an uncommon "mega-event" as a key to intracontinental and intercontinental correlation of early Proterozoic basin fill, North American and Baltic cratons, New perspectives in basin analysis(eds) Kleinspehn, Karen L., Paola, Chris, Front

OLSSON, RICHARD K., 1988 : Foraminiferal modeling of sea-level change in the Late Cretaceous of New Jersey, Sea-level changes; an integrated approach(eds) Wilgus, Cheryl K., Hastings, Bruce S., Ross, Charles A., Posamentier, Henry, Van Wa, Special Publication - Society of

OZSOY-E, 1986 : Ebb-Tidal Jets - A Model of Suspended Sediment and Mass-Transport at Tidal Inlets, ESTUARINE COASTAL AND SHELF SCIENCE, V.22, 1, pp. 45-62.

PAOLA, C.; GUST, G.; SOUTHARD, J. B., 1986 : Skin friction behind isolated hemispheres and the formation of obstacle marks, Sedimentology, vol. 33, no. 2, p. 279-293.

PAOLA, C.; WIELE, S. M.; REINHART, M. A., 1986 : Upper-regime parallel lamination as the result of turbulent sediment transport and low-amplitude bed forms, SEPM, annual midyear meeting, Anonymous, SEPM, annual midyear meeting, Raleigh, NC, United States, Sept. 26-28, 1986, Vol. 3 p. 87.

PAOLA, CHRIS; BORGMAN, LEON, 1990 : Reconstruction of random fluvial topography from preserved stratification, AAPG Bulletin, vol. 74, no. 5, p. 736.

PAOLA, CHRISTOPHER, 1989 : Topographic sorting, EOS, Transactions, American Geophysical Union, In: Third scientific assembly of the International Association of Hydrological Sciences no. 15, p. 323.

PERLMUTTER, M. A., 1987 : The deposition of Plio-Pleistocene submarine fans in the Gulf of Mexico, SEPM annual midyear meeting, Austin, TX, United States, Aug. 20-23, 1987, vol. 4 p. 64-65.

PERLMUTTER, MARTIN A.; MATTHEWS, MARTIN D., 1990 : Global cyclostratigraphy; a model, In: Quantitative dynamic stratigraphy, Cross, Timothy A. (editor), Prentice Hall, Englewood Cliffs, NJ, United States p. 233-260.

PLINT, A. G., 1988 : Sharp-based shoreface sequences and "offshore bars" in the Cardium Formation of Alberta; their relationship to relative changes in sea level, Sea-level changes; an integrated approach(eds) Wilgus, Cheryl K., Hastings, Bruce S., Ross, Charles A.,

POSAMENTIER, HENRY W.; JERVEY, M. T.; VAIL, PETER R.,1988 : Eustatic controls on clastic deposition; I, Conceptual framework, Sea-level changes; an integrated approach(eds) Wilgus, Cheryl K.,Hastings, Bruce S.,Ross, Charles A.,Posamentier, Henry W.,Van, Special Publication - Society of Economic Paleont

POSAMENTIER, HENRY W.; VAIL, PETER R.,1988 : Eustatic controls on clastic deposition; II, Sequence and systems tract models, Sea-level changes; an integrated approach(eds) Wilgus, Cheryl K.,Hastings, Bruce S.,Ross, Charles A.,Posamentier, Henry W.,Van, Special Publication - Society of Ec

RAMOS, V. A.; JORDAN, TERESA E.; ALLMENDINGER, RICHARD W.; MPODOZIS, M. C.; KAY, S. M.; CORTES, J.,1986 : Paleozoic terranes of the central Argentine-Chilean Andes, Tectonics, vol. 5, no. 6, p. 855-880.

READING, HAROLD G., 1988 : Tectonics and sedimentation; introduction, New perspectives in basin analysis(eds) Kleinspehn, Karen L.,Paola, Chris., In: Frontiers in sedimentary petrology(ed) Bouma p. 201-203.

REYNOLDS, JAMES H.; JORDAN, TERESA E.; JOHNSON, NOYE M.,1987 : Neogene chronology and sedimentary velocity in La Troya Basin, La Rioja, Actas del Decimo congreso geologico argentino, San Miguel de Tucuman, Argentina, Sept. 14-18, 1987, vol. 10, vol. 2, p. 109-112.

REYNOLDS, JAMES H.; TABBUTT, KENNETH T.; JOHNSON, NOYE M.; JORDAN, TERESA E.,1987 : Non-systematic uplift of the northwestern Sierras Pampeanas, Catamarca Province, Argentina; interpretation of magnetic polarity stratigraphy data,Geological Society of America, 1987 annual meeting and exposition, (eds.) Dickinson, William R.(cha

ROARK, CAROL KINDLE LEE; JORDAN, TERESA E.,1987 : A stratigraphic test of gypsum dehydration and implications for basin development, Fifth international Williston Basin symposium(eds) Carlson, Clarence G.,Christopher, J. E., Grand Forks, ND, United States, Jun. 14-17, Special Publication - Saskatchewan

ROSS, CHARLES A.; ROSS, JUNE R. P.,1988 : Late Paleozoic transgressive-regressive deposition, Sea-level changes; an integrated approach(eds) Wilgus, Cheryl K.,Hastings, Bruce S.,Ross, Charles A.,Posamentier, Henry, Van Wa, Special Publication - Society of Economic Paleontology, vol. 42, p.

ROSS, W. C.,1991 : Cyclic stratigraphy, sequence stratigraphy, and stratigraphic modeling from 1964 to 1989: Twenty-five years of progress ?, In:Franseen, E. K., Watney, W. L., Kendall, C. G. ST. C., and Ross, W. C. (eds) Sedimentary Modeling: Computer simulations and m

SARG, J. F.,1988 : Carbonate sequence stratigraphy, Sea-level changes; an integrated approach(eds) Wilgus, Cheryl K.,Hastings, Bruce S.,Ross, Charles A.,Posamentier, Henry, Van Wa, Special Publication - Society of Economic Paleontology, vol. 42, p. 155-181.

SAUERMAN, ROLAND P.; SLINGERLAND, RUDY,1986 : The origin and longitudinal distribution of placers in gravel-bed stream deposits; a mathematical model with field examples,In:Sediments down-under; 12th international sedimentological congress Canberra, Australia, Aug. 24-30, 1986, Bur. Mine

SCHAFFER, CHARLES T.; COLE, F. E.; SYVITSKI, J. M.,1989 : Bio- and lithofacies of modern sediments in Knight and Bute inlets, British Columbia, Palaios, vol. 4, no. 2, p. 107-126.

SCOTT, R. W.; FROST, S. H.; SHAFFER, B. L., 1988 : Early Cretaceous sea-level curves, Gulf Coast and southeastern Arabia, Sea-level changes; an integrated approach (eds) Wilgus, Cheryl K., Hastings, Bruce S., Ross, Charles A., Posamentier, Henry, Van, Special Publication - Society of Economic P

SHANLEY-KW, MCCABE-PJ, 1991 : Predicting Facies Architecture Through Sequence Stratigraphy - An Example from the Kaiparowits Plateau, Utah, GEOLOGY, V.19, 7, pp. 742-745.

SHANMUGAM, G., 1988 : Origin, recognition, and importance of erosional unconformities in sedimentary basins, New perspectives in basin analysis. (eds) Kleinspehn, Karen L., Paola, Chris, Frontiers in sedimentary petrology. Bouma, Arnold p. 83-108.

SLINGERLAND, R. L., 1986 : Potential and limitations of paleo-flow hindcasts using cross-stratification, The Geological Society of America, 21st annual meeting, Kiamesha Lake, NY, United States, Mar. 12-14, 1986, vol. 18, no. 1, p. 66.

SLINGERLAND, RUDY, 1989 : Passive margin deposits at Chincoteague Island, VA; the Holocene transgression and resulting deposits, In: Sedimentation and basin analysis in siliciclastic rock sequences; Volume 2, Sedimentology and thermal-mechanical history of basins, Field trips

SLINGERLAND, RUDY, 1989 : Alleghanian foreland basin deposits at Curwensville, PA, Sedimentation and basin analysis in siliciclastic rock sequences; Volume 2, Sedimentology and thermal-mechanical history of basins in, Field trips for the 28th international geological p. 50-

SLINGERLAND, RUDY, 1989 : Fold and thrust belt structure, stratigraphy, and geomorphology at Skytop, PA, Sedimentation and basin analysis in siliciclastic rock sequences; Volume 2, Sedimentology and thermal-mechanical history of basins i, Field trips for the 28th internatio

SLINGERLAND, RUDY, 1986 : Numerical computation of co-oscillating palaeotides in the Catskill epeiric sea of eastern North America, Sedimentology, vol. 33, no. 4, p. 487-497.

SLINGERLAND, RUDY; BEAUMONT, CHRISTOPHER, 1989 : Tectonics and sedimentation of the Upper Paleozoic foreland basin in the Central Appalachians, Sedimentation and basin analysis in siliciclastic rock sequences; Volume 2, Sedimentology and thermal-mechanical history of basins i, Field trips for the

SNOW, R. SCOTT; SLINGERLAND, RUDY, 1987 : Stability analysis of a rejuvenated fluvial system, International Union of Geodesy and Geophysics, General Assembly (IUGG)--Union Geodesique et Geophysique Internationale (UGGI); XIX ge, vol. 21, No. 3, p. 942.

SONG CAO; LERCHE, I.; KENDALL, C. G. S. C., 1986 : Quantitative model for basin analysis and its application to northern North Sea basin, AAPG Bulletin, vol. 70, no. 5, p. 651.

SONNENFELD, PETER; KENDALL, CHRISTOPHER G. ST. C., 1989 : Marine evaporites; genesis, alteration, and associated deposits, Geology (Boulder), vol. 17, no. 6, p. 573-574.

SONNENFELD-PKENDALL-CGSC, 1989 : Marine Evaporites - Genesis, Alteration, and Associated Deposits, GEOLOGY, V.17, 6, pp. 573-574.

STEIDTMANN, JAMES R.; SCHMITT, JAMES G., 1988 : Provenance and dispersal of tectogenic sediments in thin-skinned, thrust terrains, New perspectives in basin analysis (eds) Kleinspehn, Karen L., Paola, Chris, Frontiers in sedimentary petrology. Bouma, Arnold p. 353-366.

STRAVERS, J. A.; SYVITSKI, J. M.,1988 : Early Holocene land-sea correlations and deglacial sedimentation rates; Cambridge Fiord, northern Baffin Island, Program and abstracts of the Tenth biennial meeting of the American Quaternary Association,, Amherst, MA, United States, June 6-8, 1988

STRAVERS, JAY A.; SYVITSKI, JAMES. M.,1991 : Land-sea correlations and evolution of the Cambridge Fiord marine basin during the last deglaciation of northern Baffin Island, Quaternary Research (New York), vol. 35, no. 1, p. 72-90.

SWETLAND, DAVID W.; SLINGERLAND, RUDY,1988 : A general circulation model for the Late Devonian Catskill Sea, eastern North America, Geological Society of America 1988 centennial celebration, Anonymous ,Geological Society of America 1988 centennial celebration, Den no. 7, p. 78-79.

SYVITSKI, J.M., 1986 : DNAG 2; Estuaries, deltas and fjords of Eastern Canada, Geoscience Canada, vol. 13, no. 2, p. 91-100.

SYVITSKI, J. M.,1987 : Oceanic controls on the distribution of sediment within glacier-influenced fjords,International Union for Quaternary Research; XII SUP th international congress;Ottawa, ON, Canada, July 31-Aug. 9, 1987, Congress of the International Union for Quaternary

SYVITSKI, J. M.,1986 : Sediment dynamics and sedimentation history at the front of Coronation Glacier; a tidewater glacier in the Canadian Arctic,In:Sediments down-under; 12th international sedimentological congress,, Canberra, Australia, Aug. 24-30, 1986, Bur. Miner. R

SYVITSKI, J. M.,1986 : Subaqueous slope failures; advances from the fjord environment,In:Sediments down-under; 12th international sedimentological congress, Canberra, Australia, Aug. 24-30, 1986, Bur. Miner. Resour., p. 295-296.

SYVITSKI, J. M.; VILKS, G., 1986 : Arctic land-sea interactions, Report of the 14th Arctic workshop held at Dartmouth, NS on Nov. 6-8,1985 Geol. Surv. Can., Bedford Inst. Oceanogr., Dartmouth, NS, Ca, Geoscience Canada,vol. 13, no. 4, p. 255-261.

SYVITSKI, JAMES M., 1989 : On the deposition of sediment within glacier-influenced fjords; oceanographic controls, Marine Geology : (Modern glacialmarine environments; glacial and marine controls of modern lithofacies and biofacies (eds) Powell, Ross, vol. 85, no. 2-4, p. 301-32

SYVITSKI, JAMES M.; FARROW, GEORGE E.,1989 : Fjord sedimentation as an analogue for small hydrocarbon-bearing fan deltas, In:Deltas; sites and traps for fossil fuels(eds) Whateley, M. K. G., Pickering, K. T., Special scientific meeting of the Geological Society, Geological Society Special Publication

SYVITSKI, JAMES,M.; PRAEG, DAN B.,1989 : Quaternary sedimentation in the St. Lawrence Estuary and adjoining areas, Eastern Canada; an overview based on high-resolution seismic-stratigraphy, Geographie Physique et Quaternaire, vol. 43, no. 3, p. 291-310.

SYVITSKI, JAMES. M.,1990 : Numerical prediction of the sediment characteristics, including carbon content, of basin fill, AAPG Bulletin, vol. 74, no. 5, p. 774-775.

SYVITSKI, JAMES. M.,1990 : The process-response model in quantitative dynamic stratigraphy,In:Quantitative dynamic stratigraphy , Cross, Timothy A. (editor), Prentice Hall, Englewood Cliffs, NJ, United States p. 309-334.

SYVITSKI, JAMES. M.; BURRELL, DAVID C.; SKEI, JENS M.,1987 : Fjords; processes and products, Springer-Verlag, New York, NY, United States pp. 379.

SYVITSKI-JPMSCHAFER-CT, 1985 :Sedimentology of Arctic Fiords Experiment (Safe) - Project Introduction,ARCTIC, V.38, 4, pp. 264-270.

TAYLOR, T. D.; SLINGERLAND, R. L.,1986 : Problems in interpretation of cross-stratification in a borehole, AAPG Bulletin, vol. 70, no. 5, p. 654-655.

TIPPER-JC,1988 :Techniques for Quantitative Stratigraphic Correlation -A Review and Annotated-Bibliography,GEOLOGICAL MAGAZINE, V.125, 5, pp. 475-494.

TSUGUO SUNAMURA,1989 : Sandy beach geomorphology elucidated by laboratory modeling, in: Lakhan and Tranhaile (eds.) Applications in coastal modeling, Elsevier Oceanography Series, No. 49, Elsevier, Amsterdam, p. 159-213.

UNGERER, P., BURRUS, J., DOLIGEZ, B., CHÉNET, P. Y., ans BESSIS, F.,1990 : Basin evaluation by integrated two-dimensional modeling of heat transfer, fluid flow, hydrocarbon generation, and migration, Am. Assoc. Petr. Geol. Bull., 74, 3, p.309-335.

VAN HOUTEN, F. B.,1988 : Lithostratigraphy and chronostratigraphy;introduction, New perspectives in basin analysis.(eds) Kleinspehn, Karen L. ,Paola, Chris, Frontiers in sedimentary petrology.Bouma, Arnold p. 63-65.

VAN WAGONER, J. C.; POSAMENTIER, HENRY W.; MITCHUM, R. M., JR. ; VAIL, PETER R.; SARG, J. F.; LOU,1988 : An overview of the fundamentals of sequence stratigraphy and key definitions, Sea-level changes; an integrated approach(eds) Wilgus, Cheryl K.,Hastings, Bruce S.,Ross, Charles A.,Posamentier, Henry W.,Van, Special Publication - Society of Econ

WALKER, J. DOUGLAS, 1988 : Paleogeography and tectonic evolution interpreted from deformed sequences; principles, limitations, and examples from the Southwestern United States, New perspectives in basin analysis (eds) Kleinspehn, Karen L.,Paola, Chris, Frontiers in sedimentar

WARD, R. F.; KENDALL, C. G. S. C.; HARRIS, M.,1986 : Upper Permian (Guadalupian) facies and their association with hydrocarbons; Permian Basin, West Texas and New Mexico, AAPG Bulletin, vol. 70, no. 3, p. 239-262.

WATKINS, A.; KENDALL, C. G. S. C.,1986 : Relationship between acoustic properties and petrofabric in Upper Devonian, Slave Point Formation at Sawn Hill Field, Alberta, AAPG Bulletin, vol. 70, no. 5, p. 661.

WEIMER, ROBERT J.,1988 : Record of relative sea-level changes; Cretaceous of Western Interior, USA, Sea-level changes; an integrated approach(eds) Wilgus, Cheryl K.,Hastings, Bruce S.,Ross, Charles A.,Posamentier, Henry, Van Wa, Special Publication - Society of Econo

WHITE-JDL,1990 :Depositional Architecture of a Maar-Pitted Playa -Sedimentation in the Hopi Buttes Volcanic Field,Northeastern Arizona, USA,SEDIMENTARY GEOLOGY, V.67, 1-2, pp. 55-84.

WIELE, S. M.; PAOLA, C.,1989 : Calculation of bed stress and bank erosion in a straight channel, Eos, Transactions, American Geophysical Union In:Third scientific assembly of the International Association of Hydrological Scienc, vol. 70, no. 15, p. 329.

WILGUS, CHERYL K.,HASTINGS, BRUCE S. ,ROSS, CHARLES A., POSAMENTIER, HENRY W., VAN WAGONER, JO,1988 : Sea-level changes; an integrated approach, Sea-level changes; an integrated approach, Houston, TX, United States, Oct. 1985:Special Publication - Society of Economic Paleontolog, vol. 42 pp. 407.

WILLIAMS, DOUGLAS F., 1988 : Evidence for and against sea-level changes from the stable isotopic record of the Cenozoic, Sea-level changes; an integrated approach(eds) Wilgus, Cheryl K.,Hastings, Bruce S.,Ross, Charles A.,Posamentier, Henry, Van Wa, Special Publication

WU-C, 1987 :Sediment Distribution Patterns and Related Depositional- Environments in the Atchafalaya Bay, Louisiana,MARINE GEOTECHNOLOGY, V.7, 5, pp. 99-122.