

ICAR5/GCTE-SEN JOINT MEETING SCHEDULE

**All sessions will be held in the Matador Room, University Center, Texas Tech University.
Locations of other activities will be as indicated on program.**

Monday, July 22, 2002

Time	AM	Title
7:30-10:00		Packet pickup for pre-registration and on-site registration
7:30-8:30		Posters for Monday Sessions 1 and 2 put up for viewing in main conference room
8:30-9:00		Conference welcome and opening remarks Dr. Ted Zobeck, Soil Scientist, USDA-Agricultural Research Service (ARS) Texas Tech University Chancellor – Dr. David Smith USDA, ARS Plant Stress and Water Conservation Laboratory Director - Dr. Dan R. Upchurch International Center for Arid and Semiarid Land Studies Director - Dr. Cliff Fedler Dr. Jeff Lee, Associate Professor, Texas Tech University

Session 1 - Fundamental Processes

Oral Presentations, 9:00 - 11:45 AM

Time	AM	Title
9:00 – 9:05		Introduction and announcements – Jack Gillies
9:05 – 9:30	Keynote	Estimation of PM20 Emissions by Wind Erosion: Main Sources of Uncertainties Stephane C. Alfaro and Jean Louis Rajot
9:30 – 9:45		Analysis of Velocity Profiles from Wind Tunnel Experiments with Saltation B.O Bauer, C. A. Houser, and W.G. Nickling
9:45 – 10:00		On the Rate of Aeolian Sand Transport Michael Sorensen
10:00 – 10:15		Interactions Between Turbulent Wind Flow and Saltation Sand Transport Geert Sterk, John van Boxel, and Rosaline Zuurbier
10:15 – 10:30	Break	
10:30 – 10:45		Wind Tunnel Simulation Experiment on the Erodibility of the Fixed Eolian Sandy Soil by Wind Xiao-Yan Li, Jia-Hua Wang, and Lian-You Liu
10:45 – 11:00		The Dynamic Effects of Moisture on the Entrainment and Transport of Sand by Wind G.F.S.Wiggs, R.J. Atherton, and A.J. Baird
11:00 – 11:15		A Physical-Conceptual Model to Predict the Threshold Shear Velocity of Wet Sediment W.M. Cornelis, D. Gabriels, and R. Hartmann
11:15 – 11:30		Aeolian Abrasion and Fine Particle Production from Red Sands: An Experimental Study. J.E. Bullard, G.H. McTainsh, and C. Pudmenzky
11:30 – 11:45		Wind Tunnel and Field Investigation of Flow Dynamics Within and Around a Valley Brian Garvey, Giles F.S. Wiggs, Ian P. Castro, and Joanna E. Bullard

Poster Presentations, 11:45 AM – 1:00 PM

Poster No.	Title
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- 1 Scaling Effects of Standing Crop Residues on Aerodynamic Transfer Processes
R. M. Aiken, D. C. Nielsen, and L. R. Ahuja
- 2 Scaling of Surface Wind Speed
Thomas M. Over and Paolo D'Odorico
- 3 Shrub Spacing and Surface Shear Stress Distributions: A Wind Tunnel Study
Jeffrey A. Lee and Ronald Greeley
- 4 Aerodynamic Roughness and Displacement Height Prediction for Waves
M. M. Darwish and J. M. Gregory
- 5 Flattened Residue Effects on Wind Speed and Sediment Transport
Geert Sterk
- 6 Preliminary Laboratory Studies of Shear Stress Partitioning
Keld R. Rasmussen
- 7 The Formation and Stability of Surface Armoring by Coarse Sand Particles
Yu Yi, Okumura Takenobu, Sueyasu Katsumi, and Kamichika Makio
- 8 Wind-driven Rainsplash Erosion
G. Erpul , L. D. Norton, and D. Gabriels
- 9 Mechanics of Crust Rupture and Erosion
Cheryl McKenna Neuman and Ann Rice
- 10 Sidewall Effects of Wind Tunnel on Aeolian Sediment Transport
Z. S. Li and J. R. Ni
- 11 The Long-distance "Transportable Fraction" of the Vertical Flux of Wind-Transported Dust
Dale Gillette
- 12 Evidence for Direct Suspension of Loessial Soils
Jim Kjølgaard, David Chandler, and Keith Saxton

1:00-2:00 pm Lunch on your own

Session 2 - Instrumentation/Measurement in the Field and Lab

Oral Presentations, 2:00 – 4:50 PM

Time	PM	Title
2:00 – 2:05		Introduction and announcements – Cheryl McKenna-Neuman
2:05 – 2:25	Keynote	The Role of Instrumentation in Aeolian Research: Recent Advances and Future Challenges Cheryl McKenna Neuman and William G. Nickling
2:25 – 2:40		Relative Dust Emission Estimated From A Mini-Wind Tunnel J. F. Leys, C. Strong, G .H. McTainsh, S. Heidenreich, O. Pitts, and P. French
2:40 – 2:55		KISR Long Atmospheric Boundary Layer Wind Tunnel W. Al-Nassar, S. Alhajraf, M. Al-Sudirawi, G. Joseph, and Keld R. Rasmussen
2:55 – 3:10		Characterising Soil Surface Susceptibility to Wind Erosion Using Bi-Directional Reflectance: A Preliminary Assessment. A. Chappell and G. Sheridan
3:10 – 3:25		Sonic Anemometers in Aeolian Sediment Transport Research J.H. van Boxel, G. Sterk, and S.M. Arens
3:25 – 3:45	Break	

3:45 – 4:05	Keynote	Preliminary Results of the ADEC first IOP in April 2002 Mikami Masao
4:05 – 4:20		Use of Satellite and Ground-Based Images to Monitor Dust Storms and Map Landscape Vulnerability to Wind Erosion Pat S. Chavez, Jr., David J. Mackinnon, Richard L. Reynolds, and Miguel G. Velasco
4:20 – 4:35		Simulated Atmospheric Vortex Threshold James D. Iversen
4:35 – 4:50		Application of Caesium-137 Technique on Wind Erosion in Gonghe Basin, Qinghai Province, China P. Yan, P. J. Shi, and G. R. Dong

Poster Presentations, 4:50 – 6:00 PM

Poster No.	Title
1	Clay and Carbonate Effect on Fine Dust Emissions Measured in a Rotating-Tube Dust Generation System A. Amante-Orozco and T. M. Zobeck
2	Clay and Carbonate Effect on Fine Dust Emissions as Generated in a Wind Tunnel A. Amante-Orozco and T. M. Zobeck
3	Measurement PM _{2.5} Emission Potential from Soil Using the UC Davis Resuspension Test Chamber. O. F. Carvacho, L. L. Ashbaugh, M.S. Brown, and R.G. Flocchini
4	Mapping Surface Armoring of Arid and Semi-Arid Environments Using Remotely Sensed Images Pat S. Chavez, Jr., David J. Mackinnon, and Miguel G. Velasco
5	Use of Landsat Thematic Mapper Multi-Temporal Images to Detect and Study Vegetation Dynamics in the Mojave Desert: Applications to Studies of Dust Emission Pat S. Chavez, Jr., Miguel G. Velasco, David J. Mackinnon, Kathryn A. Thomas, and Robert Fulton
6	Extraction of the Geometry of Surface Clasts from Ground-Based Digital Images: Application to Studies of Wind Erosion D.J. MacKinnon and P.S. Chavez, Jr.
7	Measured and Modeled Roughness Heights (Z_0) Over Diverse Roughness Elements, Central Mojave Desert, California, USA D.J. MacKinnon, G. D. Clow, R. K. Tigges, R.L. Reynolds, and P.S. Chavez, Jr.
8	Temperature Sensitivity of a Piezo-Electric Sensor Used for Wind Erosion Measurements S. K. Heidenreich, J. F. Leys, G. H. McTainsh, and F. J. Larney
9	A 200-m Tall Instrumented Tower for Atmospheric Measurements in Wind Events Thomas E. Gill, Douglas A. Smith, Russell R. Carter, and Richard E. Peterson
10	A Wind Tunnel Study of the Collection Efficiency of an Aerodynamically Improved 'Frisbee' Dust Trap G.F.S. Wiggs, J. Leys, G. H. McTainsh, S. Heidenreich, and C. Strong
11	Simulating the Martian Environment K.M.Kinch, J.P.Merrison, D.M.Grant, T.L.Jacobsen, and K. R. Rasmussen
12	Valuation of Saltation Flux Impact Responders (Safires) for Measuring Instantaneous Aeolian Sand Transport Rates Andreas C.W. Baas
13	WITSEG Sampler: A Segmented Sand Sampler for Wind Tunnel Test Zhibao Dong and Hongyi Sun

Evening: No scheduled activities

Tuesday, July 23, 2002

Time	Activity
7:30 – 8:00 am	Packet pickup of pre-registration and on-site registration, put up posters for Field Studies (Session 3)
8:00 – 10:00	Local field trip: Meet in front of the Student Union. Travel to Lubbock Lake Landmark
10:00 – 10:30	Travel to Museum of Texas Tech University.
10:30 – 12 noon	Attend exhibit: "Traditions and Renewal: Medieval Frescoes from the Vatican Museums."
12:00 – 1:00 pm	Catered lunch at International Cultural Center of Texas Tech University
1:00 – 1:30	Travel back to Texas Tech University Center, finish putting up posters

Session 3 - Field Studies**Oral Presentations, 2:00 – 4:50 PM**

Time	PM	Title
2:00 – 2:05		Introduction and announcements - R. Scott Van Pelt
2:05 – 2:25	Keynote	Measurement and Data Analysis Methods for Field-Scale Wind Erosion Studies Ted M. Zobeck, John E. Stout, R. Scott van Pelt, Roger Funk, Jean Louis Rajot, and Geert Sterk
2:25 – 2:45	Keynote	Testing of Regional Wind Erosion Models For Environmental Auditing J. F. Leys, G .H. McTainsh, Y. Shao, and K. Tews
2:45 – 3:00		Wind Erodibility of Arid Lands in the Channel Country of Western Queensland, Australia: A Sequel (1994 – 2000) G.H. McTainsh, B.M. Love, J.F. Leys, and C. Strong
3:00 – 3:15		The Yellow Lake Experiment J. E. Stout
3:15 – 3:30		Simulations to Optimise Sampling of Aeolian Sediment Transport in Space and Time for Mapping A. Chappell, G. McTainsh, Craig Strong, and John Leys
3:30 – 3:50	Break	
3:50 – 4:05		Man and Dust--A Unique Perspective from Southeastern New Mexico/West Texas Richard Arimoto, Sondra Sage, Cheryl Schloesslin, Thomas Kirchner, Joel Webb, Barry Stewart, David Schoep, and Mark Walthall
4:05 – 4:20		Wind Erosion in Marginal Mediterranean Dryland Areas, Khanasser Valley- a Case Study Z. Masri, M. Zöbisch, A. Bruggeman, P. Hayek, and M. Kardous
4:20 – 4:35		Wind Erosion in a Small Catchment of Grazing Area in Northern Burkina Faso: Influence of Surface Features J.L. Rajot, O. Ribolzi, and J.P. Thiebaut
4:35 – 4:50		A Comparison of Wind and Water Erosion Rates among Grassland, Shrubland, and Forest Ecosystems D. D. Breshears, J. J. Whicker, J.E. Pinder, and M. P. Johansen

Poster Presentations, 4:50 – 6:00 PM

Poster No.	Title
1	Particle-Size Characteristics of Wind Eroded Sediments from Disturbed Biotic Crusts in South East

- Australia
Craig Strong, John Leys, and Grant McTainsh
- 2 Wind Erosion in Voivodina
L. Letic and R. Savic
- 3 Field Studies of Wind Erosion Intensity and Its Variability Under Different Vegetated Sandy Grasslands, Inner Mongolia
Feng-Rui Li, Hua Zhang, Tong-Hui Zhang, and Yu-Lin Li
- 4 Soil Roughness Degradation and Crop Residue Decomposition: Measurement and Simulation
S. J. van Donk and E. L. Skidmore
- 5 Wind Erosion in Marginal Mediterranean Dryland Areas, Khanasser Valley- a Case Study
Z. Masri, M. Zöbisch, A. Bruggeman, P. Hayek, and M. Kardous
- 6 Effect of Surface Conditions on PM₁₀ Dust Emissions, Owens Lake, CA
W.G. Nickling and L.J. Brown
- 7 Natural Sources of Aeolian Dust in Amman and Selected Areas of Jordan
Hadeel Al Dwaikat, Ian Foster, Nasfat Hunjul, Adrian Wood, and Joan Lees
- 8 The Incidence of Wind Erosion as Related to Soil Properties and Geomorphic History in South-Western Australia
R.J. Harper, R.J. Gilkes, M. Hill, and D.J. Carter
- 9 Intensive Study Site for Monitoring, Measuring and Modeling Agricultural Field Dust Emissions
Jim Kjelgaard, Keith Saxton, Brian Lamb, and Candis Claiborne

6:30 pm Van pickup for banquet at International Cultural Center of Texas Tech University
7:00 pm Conference Banquet and Entertainment, International Cultural Center

Wednesday, July 24, 2002

7:30 – 8:00 am Put up posters for sessions 4 and 5

Session 4 – Modeling

Oral Presentations, 8:00 – 10:45 AM

Time	AM	Title
8:00 – 8:05		Introduction and announcements - Tom Gill
8:05 – 8:35	Keynote	Representation of Land-Surface Processes in Models of Wind Erosion Michael R. Raupach and Hua Lu
8:35 – 8:50		Numerical Simulation of Drag Partition Over Rough Surfaces Yaping Shao and An Li
8:50 – 9:05		Overview and Current Status of WEPS 1.0 L. E. Wagner
9:05 – 9:20		Modeling of Wind-Blown Dust Emissions at Owens (dry) Lake, CA Dale Gillette, Duane Ono, and Kenneth Richmond
9:20 – 9:35	Break	
9:35 – 10:00	Keynote	Long-Term Simulation of Dust Distribution with the GOCART Model: Correlation with the North Atlantic Oscillation Paul Ginoux, Joe Prospero, and Omar Torres
10:00 – 10:15		Emission of Soil Dust Aerosol: Anthropogenic Contribution and Future Changes Ina Tegen, S.P. Harrison, K.E. Kohfeld, S. Engelstaedter, and M. Werner

- 10:15 – 10:30 Simulated Global Atmospheric Dust Distribution: Sensitivity to Topographic, Geomorphologic, and Hydrologic Factors
Charles S. Zender and David J. Newman
- 10:30 – 10:45 Forecasting Dust Storms using the CARMA-Dust Model and MM5 Weather Data
B. H. Barnum, N. S. Winstead, P. Colarco, O. B. Toon, P. Ginoux, J. Wesely, and Lt. Amy Hakola

Poster Presentations, 10:45 AM– 12:00 Noon

Poster No.	Title
1	Commonality in Process Based Erosion Models, Obstacles and Opportunities Fred A. Fox Jr.
2	Wind Erosion Risk Assessment of Alberta Soils G. M. Coen, J. Tatarko, T. C. Martin, K. Cannon, T. W. Goddard, and N. J. Sweetland
3	Comparison of Wind Erosion Measurements in Germany with Simulated Soil Losses by WEPS R. Funk, E.L. Skidmore, and L.J. Hagen
4	Validation of WEPS Erosion Predictions for Single Wind Events L.J. Hagen
5	Using WEPS with Measured Data John Tatarko and Larry Wagner
6	Validation of the Wind Erosion Equation (WEQ) for Discrete Periods R. S. Van Pelt and T. M. Zobeck
7	Validation of the Wind Erosion Stochastic Simulator (WESS) and the Revised Wind Erosion Equation (RWEQ) R. Scott Van Pelt, Ted M. Zobeck, Ken N. Potter, John E. Stout, and Thomas W. Popham
8	Prediction Success with Integrated, Process-Based Wind-Erosion Model J. M. Gregory and M. M. Darwish
9	Spatially Explicit Regional Wind Erosion and Dust Emission Modeling: Incorporating Large- and Small-Scale Variability G. S. Okin and D. A. Gillette
10	Time-Averaged Numerical Modelling of Airflow Over an Idealised Transverse Dune D.R. Parsons, G.F.S. Wiggs, I. J. Walker, B.G.Garvey, and R.I. Ferguson
11	Numerical Simulation of Northeast Asian Dust Storms Using an Integrated Wind Erosion Modelling System Yaping Shao
12	Self-limiting Blowing Dust Mechanism R.E. Peterson
13	Stochastic Multivariate Analysis of Hydrometeorological Variables for Wind Erosion Models Paolo D'Odorico, Thomas M. Over, and JaeChan Yoo
14	Numerical Simulation of Sand and Snow Drift at Porous Fences S. Alhajraf
15	Wind Erosion Modelling in a Sahelian Environment Saskia M. Visser, Geert Sterk, and Judith J.J.C. Snepvangers
16	Dust Generation Modeling - Source Terms and Microscale Transport from Military Installations Ronald Cionco and Donald Hoock
17	The Simulation of Dust Storm in China Song Zhenxin

12:00 – 1:00 pm Lunch on your own

Session 5 - Environmental Impacts and Erosion Control

Oral Presentations, 1:00 – 4:00 PM

Time	PM	Title
1:00 – 1:05		Introduction and announcements – Edward L. Skidmore
1:05 – 1:25	Keynote	Air Quality Issues Associated with Wind Erosion: Settled? C. Claiborn, B. Lamb, K. Saxton, J. Kzelgaard, and I. Sundram
1:25 – 1:40		Chemical Contaminants, Globally Transported Dust and Downstream Ecosystems V. H. Garrison, W. Foreman, M. Majewski, C. Holmes, E.A. Shinn, D.Griffin, C. Kellogg, R. Smith and M. Ranneberger
1:40 – 1:55		The PM ₁₀ and PM _{2.5} Dust Generation Potential of Soils/Sediments in the Southern Aral Sea Basin, Uzbekistan A. Singer, T. Zobeck, L. Poberezsky, and E. Argaman
1:55 – 2:10		Pb-210/Be-7 Ratio as an Indicator of Aerosol Source, Continental Versus Oceanic Sources C.W. Holmes, E.A. Shinn, V. Garrison, D. Griffin, and C. Kellogg
2:10 – 2:30	Keynote	How Wind Erosion Processes Affect Selection and Performance of Erosion Control Systems L. J. Hagen
2:30 – 3:00	Break	
3:00 – 3:15		Sources of Wind-Blown Dust in Northern China: Towards Developing an Asian Dust Databank Jie Xuan and Irina N. Sokolik
3:15 – 3:30		Modelling to Reconstruct Recent Wind Erosion History of Fields in Eastern England. A. Chappell and A. D. Thomas
3:30 – 3:45		Transport and Dispersion of Blowing Dust in the Mexico Basin M. T. Lopez, R. Villasenor, A.I. Quintanar, and V. Mora
3:45 – 4:00		Changes of Soil Environment and their Effect on Crop Productivity in Desertification Processes of Sandy Cropland Zhao Halin, Zhang Tonghui, Zhao Xueyong, and Cui Jianyuan

Poster Presentations, 4:00 – 5:00 PM

Poster No.	Title
1	High-Resolution Stable Isotope Geochemistry of Aeolian Dust from Owens Lake, California Russell T. Winn, Thomas E. Gill, and Haraldur R. Karlsson
2	Regional Evaluation of Wind Erosion from Loess Lands: A Case Study of Pengyang County, Ningxia, China Yubao Li, E. L. Skidmore, and Baoping Sun
3	Aeolian Processes in Old and New Industrialized Areas (A Case Study of Silesian Upland-Southern Poland) J. Pelka-Gosciniak, J. Wach, and T. Szczypek
4	Partially Closed Aeolian/Alluvial Sedimentary Systems on Mojave Desert Alluvial Fans C.T. Baldwin, R. Rush, and J. Brint
5	Sediment Deposition in an Attic Near a Region of Dust Provenance: Implications for Historic Regional Dust Dispersion and Deposition Patterns R. Scott Van Pelt, Ted M. Zobeck, and Thomas E. Gill
6	Trace Elements Deposited with Dusts in Southwestern U.S. - -Enrichments, Fluxes, Comparison with Records from Elsewhere

Todd K. Hinkley, Paul J. Lamothe, Gregory P. Meeker, Xiao Jiang, Mark E. Miller, and Robert Fulton

- 7 Aeolian Dust Captured on Isolated Surfaces along a Transect from the Mojave Desert to the Colorado Plateau, USA.
Harland Goldstein, M. Reheis, R. Reynolds, J. Yount, K. Simmons, P. Lamothe, and F. Luisze
- 8 The Causes and Processes of Sandy Desertification of Typical Region in North China
Duan Zhenghu, Xiao Honglang, and Wang Gang

6:30 pm Dinner at St. Paul's Church (16th Street and Avenue X--enter in parking lot on west side) followed by social hour and entertainment at the Canterbury Association Student Center (across the street at 2407 16th Street).

Thursday, July 25, 2002

7:30 – 8:00 am Put up posters for sessions 6 and 7

Session 6 - Landforms and Aeolian Paleoenvironments

Oral Presentations, 8:00- 9:35 AM and 11:00 AM – 12:15 PM

Time	AM	Title
8:00 – 8:05		Introduction and announcements – Ian Livingstone
8:05 – 8:35	Keynote	The Concept of Mineralogical Maturity and the Origin and Evolution of Dune Fields in the Western United States Daniel R. Muhs
8:35 – 8:50		Optical Dating Chronologies of Dune Reactivation in the South-Eastern Arabian Peninsula Stephen Stokes and Richard Bailey
8:50 – 9:05		Combining Ground Penetrating Radar (GPR) Surveys and Luminescence (OSL) Dating to Determine Dune Migration C.S. Bristow, S.D. Bailey, G.A.T. Duller, and A.G. Wintle
9:05 – 9:20		Linear Dunes in the Western Sahara, Mauritania: Chronology and Reconstruction of Late Pleistocene and Holocene Wind Regimes Nicholas Lancaster, Gary Kocurek, Ashok Singhvi, V. Pandey, Max Deynoux, Jean-Francois Ghienne, and Khalido Lôx
9:20 – 9:35		Late Quaternary Eolian History of the Needles Area of Canyonlands National Park, Utah: Dunes and Dust Marith Reheis, Richard Reynolds, James Yount, Helen Roberts, Harland Goldstein, Yarrow Axford, and Nancy Shearin
9:35 – 9:50		Cenozoic Soil Sequences and Paleoenvironments of West Texas, USA C.G. Olson, S. M. Casby-Horton, B.L. Allen, and M.A. Cano-Garcia
9:50 – 11:15		Poster Session
11:15 – 11:30		Climatic Factors Affecting Mobility and Stability of Sand Dunes H. Tsoar
11:30 – 11:45		Climate Change in the 21st Century and the Impact on Dunefield Mobility in the Kalahari M. Knight, D.S.G Thomas, and G.F.S Wiggs
11:45 – 12:00		Factors Affecting Sand Dune Mobility on the Navajo Nation, Arizona, U.S.A. M.M. Hiza
12:00 – 12:15		Discussion - Dune Mobility – Nick Lancaster

Poster Presentations, 9:35 – 11:00 AM

Poster No.	Title
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- 1 Aeolian Geomorphology of the Salt Basin, West Texas
V.P. Tchakerian, P.R. Rindfleisch, J. Given, and D.E. Wilkins
- 2 Eolian Deflation of Holocene Playas and Formation of the White Sands Dune Field
Richard P. Langford
- 3 Origin of Iowa's Sand Prairies
Steven H. Emerman, Brian R. Depew, and Lisa K. Anderson
- 4 The Developmental Significance of Dune Morphology in the Prairie Provinces of Canada
Z.K. Pfeiffer and S.A. Wolfe
- 5 Linear Dune Development Along Flood-Eroded Desert Margins in Central Australia
Mary C. Bourke
- 6 Optical Dating Chronologies of Dune Reactivation in the South-Eastern Arabian Peninsula
Helen Bray and Stephen Stokes
- 7 Aeolian Influences on the Soils and Landforms in Semi-Arid South-Western Australia
R.J. Harper and R.J. Gilkes
- 8 Subarctic Aeolian Reactivity in Northern Finnish Lapland : A 10 ka Year Record
Mia M. Kotilainen
- 9 Natural Sources of Aeolian Dust in Amman and Selected Areas of Jordan
Hadeel Al Dwaikat, Ian Foster, Nasfat Hunjul, Adrian Wood, and Joan Lees
- 10 Wind-Strength Variations Inferred from Quartz Grain-Size Trends in the Maroon Formation
Loessite (Pennsylvanian-Permian, Colorado, U.S.A.)
K.M. Moreland, M.J. Soreghan and G.S. Soreghan
- 11 Wind-Strength Variations Inferred from Quartz Grain-Size Trends in the Lower Cutler Beds
Loessite (Pennsylvanian-Permian, Utah, USA)
N. Hoang, M. Soreghan, and L. Soreghan
- 12 Late Holocene Episodic Aeolian Activity and Landscape Development in the Cimarron River Valley;
Western Oklahoma
K. Lepper and G. F. Scott

12:15 - 1:45 PM Lunch on your own

Session 7 - Dunes and Related Landforms: Issues and New Approaches

Oral Presentations, 1:45- 3:05 PM

Time	PM	Title
1:45 – 1:50		Introduction and announcements - Nick Lancaster
1:50 – 2:20	Keynote	Advances in Research on Dune-Airflow-Sand Transport Dynamics: Incorporating Secondary Flow and Sand Transport Processes I. J. Walker
2:20 – 2:35		Numerical Modelling of Flow Structures Over Transverse Aeolian Dunes D.R. Parsons, G.F.S. Wiggs, and I.J. Walker
2:35 – 2:50		Patterns of Airflow in Namib Interdunes: Their Characteristics and Significance M.C. Baddock
2:50 – 3:05		Remobilisation of a Parabolic Dune in Kennemerland, the Netherlands S.M. Arens, Q. Slings, and C.N de Vries

Poster Presentations, 3:05 – 4:35

Poster No. Title

- 1 Exceptionally Coarse-Grained Wind Ripples in the Wright Valley, Antarctica
Nicholas Lancaster, William G. Nickling, and John A. Gillies
- 2 Movement of a Small Slipfaceless Dune in Namibia
C.S. Bristow and N. Lancaster
- 3 Development and Morphology of Falling Dunes, Northeast Kuwait
A. Al-Enezi, K.Pye, and R. Misak
- 4 Dune Sand Transport as Influenced by Direction, Magnitude and Frequency of the Erosive Winds, Ordos Plateau, China
L.Y. Liu, E. Skidmore, L. Wagner, and J. Tatarko
- 5 Evolution of Fertility and Configuration of Aeolian Soils in the Processes of Shifting Sand Fixation in the Tengger Desert
Duan Zhenghu, Xiao Honglang, and Wang Gang
- 6 Networks Dunes in Southeastern Tengger Desert: Morphology, Sediment, and Dynamics
Ha Si
- 7 The Effect of Vegetation Increase on the Morphology and Dynamics of the Israeli Coastal Dunes
H. Tsoar and D. G. Blumberg
- 8 Toward a Genetic Classification of Aeolian Sand Dunes
Kevin R. Mulligan and Vatche P. Tchakerian

Conclusion, 4:35- 5:00 PM

- 4:35 – 5:00 General discussion; passing the torch - discuss next meeting in 2006; meeting wrap-up - Jeff Lee, Moderator