

## Melbourne side events and oral programme for iLEAPS and Joint Sessions

### Melbourne side events 19-23 August 2009

#### Wednesday 19 August

**CEOP Meeting** (L. Rikus)  
Bureau of Meteorology

#### Thursday 20 August

**CEOP Meeting** (L. Rikus)  
Bureau of Meteorology  
**iLEAPS-GEWEX Early Career Scientist Workshop**  
University of Melbourne

#### Friday 21 August

**CEOP Meeting** (L. Rikus)  
Bureau of Meteorology  
**iLEAPS-GEWEX Early Career Scientist Workshop**  
University of Melbourne, <http://www.ileaps.org/ecsw/>

#### Saturday 22 August

**iLEAPS-GEWEX Early Career Scientist Workshop**  
University of Melbourne  
**GLASS-iLEAPS meeting** (Bart van den Hurk, [bart.vandenhurk@env.ethz.ch](mailto:bart.vandenhurk@env.ethz.ch))

#### Sunday 23 August

**Landflux** (Matt McCabe)

## Parallel iLEAPS-GEWEX Science Conferences with Joint Sessions 24-28 August 2009, Melbourne, Australia

### Monday 24 August

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8.00-18.00 Registration desk open

#### Joint Session: Welcome and Opening

Co-Chairs: Meinrat O. Andreae, Tom Ackerman

9.00-10.00 Carlos Nobre (IGBP)  
Ghassem Asrar (WCRP)  
Anthony Busalacchi (WCRP)  
Pavel Kabat (Conference Co-Chair, iLEAPS)  
Soroosh Sorooshian (Conference Co-Chair, GEWEX)

#### Joint Session: Keynote talks

Co-Chairs: Meinrat O. Andreae, Tom Ackerman

10.00-10.30 CHALLENGES TO UNDERSTANDING THE CLIMATE SYSTEM  
Piers J. Sellers (NASA, Lyndon B. Johnson Space Center, USA)

10.30-11.00 Break

**Keynote talks continue**

Co-Chairs: Meinrat O. Andreae, Tom Ackerman

- 11.00-11.20 MELBOURNE WATER MANAGEMENT 2002-2007 LESSONS LEARNT FROM THE FRONTLINE  
John Thwaites (Monash Sustainability Institute, Australia)
- 11.20-11.40 PREDICTION IN POLICY, POLITICS AND SCIENCE  
Roger R. Pielke, Jr. (Center for Science and Technology Policy Research, USA)
- 11.40-12.00 NEW CHALLENGES IN UNVEILING THE LINKS BETWEEN CLIMATE WITH BIOGEOCHEMICAL PROCESS AND THE ATMOSPHERE  
Paulo Artaxo (University of São Paulo, Brazil)
- 12.00-12.20 SURVIVING THE ANTHROPOCENE A 21<sup>ST</sup> CENTURY CHALLENGE FOR HUMANITY  
Will Steffen (Climate Change Institute, The Australian National University, Canberra)

**12.30-14.00 Lunch**

**iLEAPS Session 1: Surface exchange processes from leaf-level to Earth system scale**

Conveners/Co-Chairs: Almuth Arneth, Sandy Harrison

- 14.00-14.20 NEW DEVELOPMENTS IN MODELLING ELEVATED CO<sub>2</sub> EFFECTS ON VEGETATION AT ECOSYSTEM SCALE (Invited)  
Belinda Medlyn, D. Ellsworth, S. Linder, R. Norby, R. Oren, R. McMurtrie
- 14.20-14.40 INTERACTION OF MICROMETEOROLOGY AND SURFACE FLUXES CONFOUNDING THE INTERPRETATION OF CO<sub>2</sub> FLUXES IN CENTRAL AMAZONIA  
Alessandro C. de Araújo, A.J. Dolman, M.J. Waterloo, J.H.C. Gash, B. Kruijt, F.B. Zanchi, C. von Randow, J.M.E. de Lange, R. Stoevelaar, A.O. Manzi, A.D. Nobre, R.N. Lootens, F.J.J. Backerde
- 14.40-15.00 FROM POINT TO GLOBE: UP-SCALING CARBON AND WATER FLUXES FROM FLUXNET EDDY COVARIANCE TOWER VIA INTEGRATION WITH GLOBAL EARTH OBSERVATION  
Markus Reichstein, M. Jung, C. Beer, E. Tomelleri, D. Baldocchi, N. Gobron, C. Rödenbeck, D. Papale, FLUXNET members
- 15.00-15.20 SOIL GREENHOUSE GAS EXCHANGE IN THE YEAR AFTER PLANTATION HARVESTING  
Stephen J. Livesley, L. Wylie, B. Fest, S. Arndt

**15.30-16.00 Break**

- 16.00-16.20 SOIL-ATMOSPHERE GREENHOUSE GAS EXCHANGE IN A WET TEMPERATE *EUCALYPTUS REGNANS* FOREST IN AUSTRALIA: A *WILDFIRE HISTORY PERSPECTIVE*  
Benedikt J. Fest, S.J. Livesley, M. Drösler, J. Beringer, S.K. Arndt
- 16.20-16.40 OZONE FLUXES BY EDDY COVARIANCE OVER A TEMPERATE GRASSLAND, TROPICAL RAINFOREST AND ARCTIC SEA-ICE  
Jennifer B.A. Muller, C.J. Percival, M.W. Gallagher, J.R. Dorsey, M. Flynn, D. Fowler, M. Coyle, E.G. Nemitz, C. Helfter, H.K. Roscoe, J.D. Lee, S. Moller
- 16.40-17.10 THE ECOLOGICAL THEORY OF CLIMATE MODELS (Keynote)  
Gordon B. Bonan
- 17.10-17.30 INCORPORATING FUNCTIONAL DIVERSITY INTO LAND SURFACE EXCHANGE PROCESSES: RESULTS FROM THE JENA DIVERSITY (JEDI) VEGETATION MODEL  
Axel Kleidon (subst., Stanislaus J. Schymanski), K. Bohn, R. Pavlick, B. Reu

**Welcome reception 18.00**

**Tuesday 25 August**

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8.00-18.00 Registration desk open

**iLEAPS Session 1: Surface exchange processes from leaf-level to Earth system scale (cont.)**

Conveners/Co-Chairs: Almuth Arneth, Sandy Harrison

- 8.30-8.50            CONTRASTING LAND-SURFACE PROCESSES IN DRY AND WET CLIMATE SIMULATED BY AN AUSTRALIAN MODEL  
Huqiang Zhang and B. Pak
- 8.50-9.10           MULTIPLE STRESS EFFECTS ON A NATIVE EUCALYPTUS FOREST: DISTURBANCE AND THE LONG WAY TO RECOVERY  
Eva van Gorsel, H. Keith, H.A. Cleugh, R. Leuning, V. Haverd, S. Zegelin, K.L. Jacobson
- 9.10-9.30           ESTIMATION OF CH<sub>4</sub> EMISSION FROM ASIAN REGION BY VISIT MODEL  
Motoko Inatomi, A. Ito
- 9.30-9.50           BIOSPHERE-ATMOSPHERE INTERACTIONS IN THE EMEP MSC-W CHEMICAL TRANSPORT MODEL. LESSONS AND UNCERTAINTIES  
David Simpson
- 9.50-10.10          FIRE IN AUSTRALIAN SAVANNAS: FROM LEAF TO LANDSCAPE (Invited)  
J. Beringer, L.B. Hutley, N.J. Tapper, L. A. Cernusak, K. Gørgen, D. Abramson, P. Uotila
- 10.10-10.30        Discussion

**10.30-11.00 Break**

**iLEAPS Session 4: Aerosols from the land surface and their interactions with the climate system**

Conveners: Paulo Artaxo, Graham Feingold, Veli-Matti Kerminen

Co-Chairs: Markku Kulmala, Graham Feingold

- 11.00-11.30        NATURAL AEROSOL AND CCN BURDENS IN THE CONTINENTAL ATMOSPHERE (Keynote)  
Meinrat O. Andreae
- 11.30-11.50        BIOMASS BURNING AND BIOGENIC AEROSOLS IN THE TROPICS: WHAT HAVE WE LEARNT FROM AFRICAN MONSOON MULTIDISCIPLINARY ANALYSES (AMMA) AND THE OXIDANT AND PARTICLE PHOTOCHEMICAL PROCESSES (OP-3) STUDIES (Invited)  
Hugh Coe, J. Allan, K. Bower, G. Capes, J. Crosier, V. Hand, N. Robinson, D. Vaughan, Q. Chen, S. Martin, J. Hamilton, N. Hewitt, G. Phillips, E. Nemitz, J. Haywood, B. Johnson, C. Reeves, J. Murphy
- 11.50-12.10        BIOSPHERE-ATMOSPHERE INTERACTIONS - THE USE OF CONTINUOUS AND COMPREHENSIVE MEASUREMENTS  
Markku Kulmala
- 12.10-12.30        OPTICAL AND CHEMICAL PROPERTIES OF BIOGENIC AEROSOLS FROM AMAZONIA  
Paulo Artaxo, L.V. Rizzo, M. Paixão, S. de Lucca, K.T. Wiedemann

**12.30-14.00 Lunch**

Co-Chairs: Paulo Artaxo, Graham Feingold

- 14.00-14.20        AEROSOL FORMATION POTENTIAL OF PLANT EMISSIONS – ANALYSIS OF PLANT CHAMBER EXPERIMENTS  
Miikka Dal Maso, Th. Hohaus, A. Kiendler-Scharr, E. Kleist, Th. F. Mentel, R. Tillmann, J. Wildt

- 14.20-14.40 SIMULATING NUCLEATION CHARACTERISTICS  
Henri Vuollekoski, T. Nieminen, S.-L. Sihto, P. Paasonen, H. Korhonen, M. Boy, M. Kulmala
- 14.40-15.00 A COMBINED LAGRANGIAN-CLOUD-RESOLVING-MODEL APPROACH FOR A BETTER UNDERSTANDING OF THE TEMPORAL EVOLUTION OF THE BOUNDARY LAYER AMAZONIAN AEROSOL POPULATION  
Annica M. L. Ekman, R. Krejci, P. Tunved
- 15.00-15.15 IMPACT OF A NEW AEROSOL CLIMATOLOGY ON GEM RADIATIVE BUDGET: COMPARISON WITH MODIS AND CERES DATA  
Irena Paunova, P. Vailiancourt, L. Garand, K. von Salzen
- 15.15-15.30 TIME SPAN AND SPATIAL SCALE OF REGIONAL NEW PARTICLE FORMATION  
Tareq Hussein, H. Junninen, P. Tunved, A. Kristensson, M. Dal Maso, I. Riipinen, P. P. Aalto, H.-C. Hansson, E. Swietlicki, M. Kulmala

**15.30-16.00 Break**

Co-Chairs: Paulo Artaxo, Graham Feingold

- 16.00-16.20 PARTICLE FORMATION PROCESSES IN EUCALYPT FORESTS – THE ROLE OF SULPHATES AND ORGANICS  
Zoran Ristovski, T. Suni, M. Kulmala, M. Boy, N. Meyer, A. Turnipseed, L. Morawska, U. Baltensperger, R. Modini
- 16.20-16.40 LONG-TERM MONITORING OF AEROSOL PARTICLES AND IONS AT SMEAR II STATION IN HYYTIÄLÄ, FINLAND  
Tuukka Petäjä, P.P. Aalto, H.E. Manninen, M. Ehn, M. Sipilä, K. Lehtipalo, S. Gagne, J. Mikkilä, J. Vanhanen, V. Hiltunen, E. Siivola, H. Laakso, T. Pohja, P. Keronen, T. Nieminen, H. Junninen, J. Rinne, A. Virkkula, I. Riipinen, M. Dal Maso, D. Worsnop, A. Laaksonen, R. Hillamo, H. Lihavainen, Y. Viisanen, T. Vesala, P. Hari, M. Kulmala
- 16.40-17.00 CLEAN AND POLLUTION-AFFECTED NEWLY-FORMED PARTICLES AT A VIRGIN BOREAL FOREST  
Petri Vaattovaara, Tuukka Petäjä, J. Joutsensaari, P. Miettinen, B. Zaprudin, A. Kortelainen, J. Heijari, P. Yli-Pirilä, P. Aalto, D.R. Worsnop, A. Laaksonen
- 17.00-17.15 OBSERVATION OF THE SUPPRESSION OF WATER UPTAKE BY MIXED ORGANIC-SULPHATE AEROSOL PARTICLES  
Rob Modini, Z. Ristovski, G. Johnson, C. He
- 17.15-17.30 LAND USE CHANGE SUPPRESSES PRECIPITATION  
Wolfgang Junkermann, J. Hacker, Tom Lyons, U. Nair

**17.30-19.00 Joint GEWEX-iLEAPS Poster Session, Terrace of the Sofitel Hotel**

- 18.00-19.00 **iLEAPS-GEIA activities meeting** (Alex Guenther)  
Grand Ballroom at Hotel Sofitel
- 19.00-21.00 **Journey into the History of Water and One Water (documentaries)**  
Grand Ballroom at Hotel Sofitel

**Wednesday 26 August****Joint Session A: Land in the climate system**

Conveners: Nathalie de Noblet-Ducoudré, Andy Pitman, Bart van den Hurk, Joon Kim

Co-Chairs: Andy Pitman, Joon Kim

- 8.30-9.00 BUILDING THE CASE FOR (OR AGAINST) LAND-DRIVEN CLIMATE PREDICTABILITY (Keynote)  
Paul Dirmeyer, T. DelSole, M. Zhao
- 9.00-9.15 A NEW PERSPECTIVE ON SOIL MOISTURE – PRECIPITATION FEEDBACKS FROM THE AFRICAN MONSOON  
MULTIDISCIPLINARY ANALYSES  
C.M. Taylor, Phillip P. Harris, R.J. Ellis, A. Gounou, F. Guichard, D.J. Parker, L. Gantner, N. Kalthoff, M. Garvert, M.A. Gaertner
- 9.15-9.30 BENCHMARKING THE JULES MODEL FOR USE IN A GCM  
Eleanor Blyth, M. Pryor, S. Sitch, D. Clark
- 9.30-9.55 USING A GLOBAL FLUX NETWORK—FLUXNET— TO STUDY THE BREATHING OF THE TERRESTRIAL BIOSPHERE  
(Invited)  
Dennis Baldocchi, R. Vargas, M. Reichstein, D. Papale
- 9.55-10.10 GLOBAL AND TEMPORAL CHARACTERISTICS OF HYDROCLIMATE/VEGETATION BIOPHYSICAL PROCESS  
INTERACTIONS  
Yongkang Xue, F. De Sales, R. Vasic, C.R. Mechoso, A. Arakawa, S. Prince
- 10.10-10.25 QUANTIFYING IRREVERSIBILITY OF LAND SURFACE PROCESSES AND THEIR SENSITIVITY TO GLOBAL CHANGE  
Axel Kleidon, J. Dyke, F. Gans, L. Miller, P. Porada, Stanislaus J. Schymanski

**10.30-11.00 Break**

- 11.00-11.25 EARTH SYSTEM VULNERABILITIES THROUGH CARBON-CLIMATE INTERACTIONS (Invited)  
Michael R. Raupach
- 11.25-11.40 USING OBSERVATIONAL DIAGNOSTICS OF SOIL MOISTURE-CLIMATE INTERACTIONS AS CONSTRAINTS TO IPCC  
CLIMATE PROJECTIONS  
Sonia I. Seneviratne, P. Ciais, M. Reichstein, E.L. Davin, B. Orlowsky, A.J. Teuling

**Joint Session B: Aerosol, cloud, precipitation, climate interactions**

Conveners: Meinrat O. Andreae, Markku Kulmala, Tom Ackerman, Bill Lau

Co-Chairs: Meinrat O. Andreae, Tom Ackerman

- 11.45-12.15 CLIMATE EFFECTS OF AEROSOLS: A LINK TO CLOUDINESS AND PRECIPITATION (Keynote)  
Teruyuki Nakajima
- 12.15-12.30 DOES IT RAIN MORE ON WEEKDAYS THAN WEEKENDS?  
J.D. Tuttle, Richard E. Carbone, D. Nychka

**12.30-14.00 Lunch**

- 14.00-14.25 AEROSOL, CLOUDS, PRECIPITATION AND SELF-ORGANISATION OF STRATOCUMULUS  
Graham Feingold, H. Wang
- 14.25-14.50 ANTHROPOGENIC AEROSOLS AND SOUTHERN HEMISPHERE CLIMATE CHANGE: A MODELLING PERSPECTIVE  
(Invited)  
Leon Rotstayn
- 14.50-15.05 TRENDS IN TROPICAL RAIN RATE DISTRIBUTION AND AEROSOL INTERACTIONS  
Long S. Chiu, R. Chokngamwong, T. Hei Har

- 15.05-15.20 OBSERVATIONS AND SIMULATIONS OF SUPERCOOLED LIQUID WATER (SLW) IN SOUTHERN OCEAN CLOUDS  
A. Morrison, Steve Siems, M. Manton
- 15.20-15.35 DO AEROSOLS INFLUENCE PRECIPITATION ON A LARGE SCALE? ONE LOOK ON POTENTIAL AEROSOL IMPACT ON HYDROLOGICAL PATHWAYS  
Anders Engström, A. Ekman, D. Noone

**15.35-16.00 Break****Joint Session C: Future generation of integrated observation and modeling systems**

Conveners: Guy Brasseur, John Finnigan, Han Dolman, Martin Miller, Kevin Trenberth

Co-Chairs: Guy Brasseur, Martin Miller

- 16.00-16.30 INTEGRATED OBSERVATION AND MODELLING FOR METEOROLOGY AND ATMOSPHERIC COMPOSITION (Keynote)  
Adrian Simmons
- 16.30-16.55 COMBINING MODELS AND DATA ON THE GLOBAL CARBON CYCLE: FUSION OR CONFUSION (Invited)  
Peter Rayner
- 16.55-17.20 ASPECTS OF A CLIMATE OBSERVING SYSTEM: ENERGY AND WATER (Invited)  
Kevin E. Trenberth
- 17.20-17.35 THE BEACHON PROJECT: INTEGRATING CYCLES AND SCALES (Invited)  
Alex Guenther
- 17.35-17.50 THE AUSTRALIAN WATER RESOURCES ASSESSMENT SYSTEM: BLENDING WATER CYCLE OBSERVATIONS AND MODELS AT LOCAL AND CONTINENTAL SCALE  
Albert van Dijk, L. Renzullo
- 17.50-18.05 OBSERVING GLOBAL AND CONTINENTAL TERRESTRIAL WATER AND ENERGY BUDGETS USING SATELLITE REMOTE SENSING  
Eric F. Wood, J. Sheffield, C. Ferguson, T. Troy, M. Pan
- 18.05-18.20 ESA'S NEW CONTRIBUTIONS TO GLOBAL EARTH SYSTEM OBSERVATIONS  
Paul Ingmann, M. Drinkwater, J. Langen, K. Scipal, M. Kern, M. Davidson

**19.30 Congress dinner, Melbourne Museum****Thursday 27 August****iLEAPS Session 2: Progress in land-atmosphere interactions and climate change**

Conveners: Sonia I. Seneviratne, Pierre Friedlingstein, Graham Farquhar, Pep Canadell

Co-Chairs: Sonia I. Seneviratne, Pierre Friedlingstein

- 8.30-9.00 QUANTIFYING LAND-ATMOSPHERE INTERACTIONS FOR CLIMATE CHANGE: A PERSPECTIVE (Keynote)  
I. Colin Prentice
- 9.00-9.30 A NUMERICAL APPROACH TO CALCULATING SOIL WETNESS AND EVAPOTRANSPIRATION OVER LARGE GRID AREAS  
Piers J. Sellers
- 9.30-9.50 IMPACT OF LAND COVER AND LAND USE CHANGES ON ATMOSPHERE-BIOSPHERE EXCHANGES AND ATMOSPHERIC CHEMISTRY  
Laurens Ganzeveld
- 9.50-10.10 EMISSIONS OF GASES AND PARTICLES FROM BIOMASS BURNING DURING THE 20<sup>TH</sup> CENTURY  
Claire Granier, A. Mieville, C. Lioussé, B. Guillaume, F. Mouillot, J.-F. Lamarque, J.-M. Grégoire, G. Pétron

10.10-10.30 AMAZONIAN AEROSOL CHARACTERIZATION EXPERIMENT (AMAZE-08) (Invited)  
Scot T. Martin, P. Artaxo, AMAZE-08 Scientific Team

**10.30-11.00 Break**

11.00-11.20 THE CARBON-LAND MODEL INTERCOMPARISON PROJECT (C-LAMP): A PROTOTYPE FOR COUPLED BIOSPHERE-ATMOSPHERE MODEL BENCHMARKING FOR THE IPCC FIFTH ASSESSMENT REPORT (AR5)  
Forrest M. Hoffman, J.T. Randerson, I.Y. Fung, P.E. Thornton, N.M. Mahowald, G.B. Bonan, S.W. Running

11.20-11.40 BENCHMARKING LAND SURFACE MODEL CARBON FLUXES USING ATMOSPHERIC CO<sub>2</sub> MEASUREMENTS  
Rachel M. Law, Y.P. Wang, B. Pak

11.40-12.00 IMPACT OF LAND USE CHANGE AND NITROGEN DEPOSITION ON THE CARBON AND NITROGEN STOCKS OF PLANTS AND SOILS  
Atul K. Jain, X. Yang, T. Richardson

12.00-12.20 MODELLING THE SPATIAL AND TEMPORAL VARIABILITY OF ENERGY, WATER AND CARBON-DIOXIDE FLUXES OVER AUSTRALIAN TROPICAL SAVANNAS  
Peter Isaac, J. Beringer, L. Hutley

**12.30-14.00 Lunch**

14.00-14.30 MODELING PERMAFROST IN AN EARTH SYSTEM MODEL: PERMAFROST'S RESPONSE TO (AND ROLE IN) CLIMATE CHANGE (Invited)  
David M. Lawrence, A.G. Slater

14.30-14.50 ARCTIC VEGETATION CHANGES INDUCE HIGH LATITUDE WARMING THROUGH GREENHOUSE EFFECT  
Abigail Swann, I. Fung, S. Levis, G. Bonan, S. Doney

14.50-15.10 THE ROLE OF SNOW/ICE COVER IN FORMULATING THE LOCAL CIRCULATION ON THE NORTHERN SLOPE OF THE HIMALAYAS  
Han Zou, L. Zhou, S. Ma, P. Li

15.10-15.30 IMPACT OF CHANGES IN DIFFUSE RADIATION ON THE GLOBAL LAND CARBON SINK (Invited)  
Lina M. Mercado, N. Bellouin, S. Sitch, O. Boucher, C. Huntingford, M. Wild, P.M. Cox

**15.30-16.00 Break**

16.00-16.20 CONTRIBUTION OF LAND-ATMOSPHERE COUPLING TO TEMPERATURE AND PRECIPITATION EXTREMES OF THE EUROPEAN SUMMER CLIMATE IN THE 20<sup>TH</sup> CENTURY  
Eric. B. Jaeger, S.I. Seneviratne

16.20-16.40 HOW IS CLIMATE CHANGE LIKELY TO CHANGE TRANSPIRATION RATES FROM PLANT CANOPIES  
Miko U.F. Kirschbaum

16.40-17.00 GLOBAL FLOOD AND LANDSLIDE DETECTION AND PREDICTION USING SATELLITE OBSERVATIONS  
Robert.F. Adler

**17.30-19.30 Joint GEWEX-iLEAPS Poster Session**

17.00-19.00 IGBP Synthesis meeting (Pavel Kabat)  
Victoria Suite 2

**Friday 28 August**

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**iLEAPS Session 3: The Role of Atmospheric Boundary Layer Processes in Modulating Surface Exchanges**

Co-Chairs: Laurens Ganzeveld, Bert Holtslag

- 8.30-8.50 INTRODUCTION TO THE SESSION 3: ROLE OF BOUNDARY LAYER PROCESSES IN MODULATING SURFACE EXCHANGES  
Laurens Ganzeveld
- 8.50-9.20 DYNAMICS OF NOCTURNAL EXCHANGE OF OZONE AND CARBON DIOXIDE IN AND ABOVE A BOREAL FOREST CANOPY (Keynote)  
Timo Vesala, Ü. Rannik, P. Keronen, J. Rinne, I. Mammarella, P. Kolari, J. Pumpanen
- 9.20-9.50 THE ROLE OF BOUNDARY LAYER CLOUDS IN TRANSPORT AND DISPERSION OF TRACE GASES (Invited)  
Harm Jonker, R. Verzijlbergh, T. Heus, J. V.-G. de Arellano
- 9.50-10.10 EDDY COVARIANCE OBSERVATIONS OF CH<sub>4</sub> AND N<sub>2</sub>O TOWARDS MORE ACCURATE EMISSION ESTIMATES  
Petra S. Kroon, A. Hensen, H.J.J. Jonker, A.P. Schrier-Uijl, M.J. Tummers, F.C. Bosveld
- 10.10-10.30 TURBULENCE STRUCTURE ABOVE VEGETATION CANOPIES  
John J. Finnigan, R.H. Shaw, E.G. Patton

**10.30-11.00 Break**

- 11.00-11.20 IDENTIFYING PARAMETERS TO DESCRIBE LOCAL LAND-ATMOSPHERE COUPLING  
Michael Ek, C. Jacobs, J.A. Santanello, Jr., O. Tuinenburg
- 11.20-11.40 RADON AS A QUANTITATIVE NATURAL TRACER OF MIXING AND VENTING IN CLEAR AND CLOUDY CONVECTIVE BOUNDARY LAYERS OVER LAND  
Alastair Williams, W. Zaborowski, S. Chambers, J. Hacker, A. Griffiths, A. Element, S. Werczynski
- 11.40-11.50 TURBULENT BOUNDARY LAYER DYNAMICS: INTERMITTENT OR PERSISTENT TURBULENCE?  
Florence Bocquet, Ben Balsley
- 11.50-12.10 INNOVATIVE AND 'HAIR-RAISING' FINISHING TALK  
Pavel Kabat, M.O. Andreae, M. Kulmala, P.J. Sellers, C. Nobre, A. Henderson-Sellers

Poster Awards

**Slide show on good conference memories**