Invited Presentations (67)

2009


'Climate change and air quality'. 6th Symposium on Environmental Allergy and Allergotoxicology: Climate change and allergy, Helmholtz Zentrum München, January 2009, Munich-Neuherberg (Germany) (H.P. Schmid)

'Klimawandel – Klimaforschung am KIT' (Keynote). KIT Jahrestag, March 2009, Karlsruhe (Germany) (H.P. Schmid)

'Surface-atmosphere exchange over inhomogeneous terrain: seeing the forest for the trees' (Keynote). Patterns in Soil-Vegetation-Atmosphere Systems - International Workshop. Transregional Collaborative Research Centre 32. June 2009, Aachen (Germany) (H.P. Schmid)

'Klimawandel und Luftqualität'. Rundgespräch "Bioaerosole und ihre Bedeutung für die Gesundheit", Bayerische Akademie der Wissenschaften, October 2009, Munich (Germany) (H.P. Schmid, R. Forkel, R. Knoche, P. Suppan)

'Climate Change – A Challenge for Forest Trees and Forest Ecosystems' (Keynote) Workshop: Opportunities, challenges and limitations of genomics-based technologies in forest tree breeding and forest genetics. Forest Research Institute of Baden-Wuerttemberg, Freiburg (Germany) (H.P. Schmid, D. Dragoni)

'Was bedeutet globaler Klimawandel für die Region?', Rotary Club Weilheim, July 2009, Polling (BY, Germany) (H.P. Schmid)

'Was bedeutet globaler Klimawandel für die Region?', Murnau Club, October 2009, Ohlstadt (BY, Germany) (H.P. Schmid)

2008

'Klimawandel - Lebenswandel: über die enge Verstrickung der Biosphäre mit der Atmosphäre', Akademietagung Klima-Alarm, Evangelische Akademie Baden, January 2008, Bad Herrenalb (Germany) (H.P. Schmid)


'The Year of the "Locust": Forest-Atmosphere CO2 Exchange during an Emergence of Periodical Cicada', Institutskolloquium, Institute for Atmospheric and Climate Sciences (IAC-ETH), ETH-Zürich, April 2008, Zürich (Switzerland) (H.P. Schmid, D. Dragoni, C. Wayson, and C.S.B. Grimmond)

'Out of Kansas: Meaningful Turbulence Measurements in Non-Ideal Conditions', Institutskolloquium, Institute for Physics of the Atmosphere (IPA), Deutsche Luft- und Raumfahrt (DLR), May 2008, Oberpfaffenhofen (Germany) (H.P. Schmid and H.B. Su)


'UMBS Footprint Modeling Workshop', University of Michigan Biological Station, July 2008, Pellston (MI, USA) (H.P. Schmid)


2007


'Klimawandel: Was wir wissen – und was nicht', DVPB Jahrestagung 07, Evangelische Akademie Tutzing, Oktober 2007, Herrsching (Germany) (H.P. Schmid)

'Biosphäre-Atmosphäre Austausch von CO2: von der Messung zur kontinentalen Bilanz', Seminar, Institut für Atmosphärische Ummweltforschung (IMK-IFU), Forschungszentrum Karlsruhe, April 2006, Garmisch-Partenkirchen (Germany). (H.P. Schmid)

2006

'Biosphere-Atmosphere Exchange: from Flux Sites to Continental Scales', Purdue Climate Change Research Center (PCCRC) Colloquium, Purdue University, May 2006, West Lafayette (IN). (H.P. Schmid)

'Measurements and Modeling of Atmosphere-Biosphere Exchange', IU Systems Research Seminar, Computer Science Department, June 2006 (H.P. Schmid)

'From Boundary Layer Climates to Forest Meteorology - The Oke Legacy', International Conference on Urban Climate (ICUC-6), June 2007, Göteborg (Sweden). (Schmid, H.P. and H.A. Cleugh)

'A marked pulse in annual gross ecosystem productivity: is it real or due to a bug?', Research Seminar, University of Michigan Biological Station (UMBS), July 2006, Pellston (MI). (H.P. Schmid, Dragoni, D., Wayson, C., Toriumi, R., and Grimmond, C.S.B.)


2005


'The Importance of Comparing Apples to Apples: Matching MODIS to Flux Towers', January 10, 2005, Department of Atmospheric Science, Yonsei University, Seoul, South Korea.

'Sources of Uncertainty in Flux Measurements', January 12, 2005, keynote address, HydroKorea Workshop, Yonsei University/Forest Research Institute, Pochun-gun, Gunggi-do, South Korea.

2004


'Measurements and Modeling of Atmosphere-Biosphere Interaction', January 2004, Seminar in Experimental Atmospheric Physics, Institute for Atmospheric and Climate Science, Swiss Federal Institute of Technology (ETH), Zürich, Switzerland.
2003  


‘Footprint Modeling and Upscaling’, July 2003, Fluxnet Workshop on Matching Upscaled Tower-Based Carbon Fluxes and Processes with MODIS-Based Remote Sensing Products and Downscaled Inversion Information, Fluxnet, Tahoe City, California, USA.

‘Land Surface-Atmosphere Exchange: a case for experimental science in a modeling world’, September 2003, College of Atmospheric and Ocean Sciences, Oregon State University, Corvallis, Oregon, USA.

‘Forest-Atmosphere Exchange at MMSF and UMBS: challenges and results from five years of observations’, October 2003, National Institute for Global Environmental Change, joint Midwestern and South-central regional meeting. Indianapolis, IN, USA.

2002  

2001  
‘Forest-Atmosphere Exchange of CO₂: Experimental challenges of seeing the forest for the trees’, September 2001, *Dept. of Earth and Atmospheric Sciences*, Purdue University, West Lafayette, Indiana, USA.


1999  


1997  


‘Turbulent Exchange of CO₂ over a Forest’, October 8, 1997, *Colloquium, Dept. of Physics*, Indiana University, Bloomington, IN.


‘Flux Aggregation over Inhomogeneous Terrain’, 23 March, 1995, Dept. of Earth and Atmospheric Sciences, Purdue University, West Lafayette, Indiana, USA.

‘Flux Aggregation over Inhomogeneous Terrain’, 20 February, 1995, Dept. of Geography, Indiana University, Bloomington, Indiana, USA.


**Invited Conference Panelist, Session Chair or Discussion Group Leader (19)**


2006 *International Conference on Urban Climate (ICUC-6)*, Session Organizer: Session in Honour of Professor T.R. Oke’s retirement, June 2007, Göteborg (Sweden).

*AmeriFlux Annual Meeting 2006*, Session Chair: Carbon Fluxes at Multiple Scales -Bottom-up Approaches, October 2006, Boulder (CO).


2002  *Symposium: Environmental Science at IUB*, (supported by IU COAS), Organizer and Convener, May 8, 2002, Indiana University, Bloomington, IN.


Discussant; *AmeriFlux Workshop on Standardization of Flux Analysis and Diagnostics*, Corvallis, Oregon, August 2002.

2000  24th Conference on *Agricultural and Forest Meteorology*, Session Chair, August 14-18, 2000, Davis, CA. American Meteorological Society, Boston, MA.

*Annual Meeting of the American Association of Geographers*; Organizer and Convener of three sessions on Biosphere-Atmosphere Exchange (I: Climate Change; II: Processes; III: Modeling and Phenology), April 5-8, 2000, Pittsburgh, PA.

1999  *Bridging the Climate Information Gap*; invited participant, September 29, Argonne National Laboratory, Argonne, IL.

*Workshop on Issues of Nighttime Carbon Exchange, Local Divergence and Drainage Flow*, Organizer and Convener, April 29 – May 1, 1999, Indiana University, Bloomington, IN.


*Second International FLUXNET Workshop*, Discussion Group Leader “Footprints and Regional Scaling”, June 3 to 5, 1998, Poison, MT.


**Conference Presentations (97)**


'In search of biotic and non-biotic drivers of NEP in forest ecosystem - or: Why is a decade of CO2 exchange measurements not enough?' ICDC-8 – International Carbon Dioxide Conference, Sept. 2009, Jena, Germany. (Dragoni, D; H.P. Schmid; C.S.B. Grimmond; J.C. Randolph; and C.A. Wayson)

'Is the NEP of a deciduous forest responding to longer vegetative seasons?'. AmeriFlux Annual Meeting, October 2009, Washington, DC (USA) (D. Dragoni, H.P. Schmid, S. Grimmond, J.C., Randolph, and J.W. Munger)


2005


'Water Vapor Storage Change in the Canopy-Air Space of a Tall Deciduous Forest'. Poster presentation; American Geophysical Union, 2005 Joint Assembly, New Orleans LA, May 23-27, 2005 (C.M. Wade, D. Dragoni, H.P. Schmid)

2004


'Should we correct nighttime CO2 fluxes for advection?'. Europ. Geosciences Union 2004 General Assembly, April 2004, Nice, France. (Froelich, N.J.; Schmid, H.P.)


'Matching carbon exchange products from MODIS to flux towers: are we comparing apples with apples?'. Europ. Geosciences Union 2004 General Assembly, April 2004, Nice, France. (Schmid, H.P.; Wayson, C.A.; Rahman, F.; Heinsch, F.A.; Running, S.)


2003


2002

'Relating Isoprene Concentration Profiles to Sources and Sinks in a Northern Hardwood Forest'. Gordon Research Conference on Biogenic Hydrocarbons & The Atmosphere, September 1-6, 2002, Queen's College, Oxford, UK (J.L. Hutton, H.P. Schmid, M.G. Villani, S.N. Pressley)


'How well does an eddy-covariance based estimate of annual net ecosystem exchange (NEE) represent the ecosystem?’, Annual Meeting of the American Association of Geographers; March 20-23, 2002, Los Angeles, CA.

2001


'Measurement and modeling of forest atmosphere exchange and carbon sequestration at two AmeriFlux sites', 96th Annual Meeting, Association of American Geographers, April 5-8, 2000, Pittsburgh, PA, (together with C.S.B. Grimmond, F. Cropley, H.-B. Su, and C.S. Vogel)


1999

'A preliminary intercomparison of micrometeorological and ecological estimates of carbon sequestration in a mid-latitude deciduous forest', 6th International Conference on Biometeorology, International Society of Biometeorology, November 8-12, 1999, Sydney, AUS. (together with J.L. Ehman, C.S.B. Grimmond, P.J. Hanson, J.C. Randolph and F.D. Cropley)


1998


'Scaling up of Measured Fluxes from a Vegetation Stand to the Ecosystem Scale: a Footprint Based Methodology', 23rd General Assembly, European Geophysical Society, April 20-24, 1998, Nice, France.


1997

'Heterogeneity and Spatial Intergration', 2nd Annual AmeriFlux Meeting, 28-29 October 1997, St.Louis, MO, NIGEC/DOE.


1995


1994


1993


1990

1988