

Introductions.....Dr. Mark Seeley
Chair, Kuehnast Endowment Committee

Sigma Xi Greetings.....Dr. Massoud Amin
Technology Leadership Institute

College Greetings.....Dr. Allen Levine
Dean, CFANS

Departmental Greetings...Dr. Carl Rosen
Head, Dept. of Soil, Water, and Climate

Program

David Phillips 1:30PM
“Canada: No longer the Cold White
North”

Break for Refreshments 2:30PM

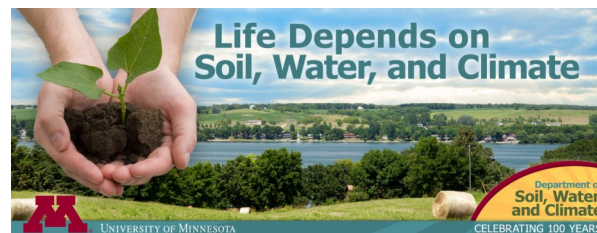
Sue Grimmond 2:45PM
“Current Advances in Monitoring and
Modeling Urban Climates”

Harold Brooks 3:45PM
“Severe Thunderstorms and Climate
Change”

Refreshments served in the
Paul Whitney Larson Art Gallery



Thank you to our sponsors:



20th Annual Kuehnast Lecture Series Presents:

“Mini-Climate School”



Thursday November 8, 2012
University of Minnesota
St. Paul Campus
Student Center Theatre
1:00PM-5:00PM

Harold Brooks
NOAA National Severe Storms Lab,
Oklahoma



Dr. Brooks began his higher education career at William Jewell College, studying physics and mathematics, achieving a B.A., *summa cum laude*, in 1982. Whilst there he studied abroad at the University of Cambridge, passing Part 1 of the tripos in Archaeology and Anthropology in 1980. In 1985 he earned a M.A. and M.Phil. at Columbia University from the Atmospheric Sciences Program within the Department of Geological Sciences. This was followed by doctoral studies at the University of Illinois at Urbana-Champaign, culminating in a Ph.D. in atmospheric sciences in 1990. During this period Brooks worked as a laboratory assistant, graduate assistant, rapporteur, and graduate research assistant. Brooks is a member of Sigma Xi.

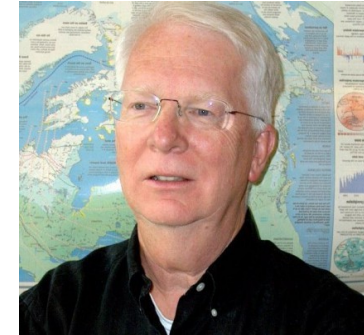
Brooks joined the National Severe Storms Laboratory as a research meteorologist in 1991. Elected as a Fellow of the American Meteorological Society in 2010, Brooks has received the Department of Commerce Silver Medal in 2002, three NOAA Research Outstanding Paper Awards, and the NOAA Administrator's Award in 2007.

Sue Grimmond
King's College London



Professor Sue Grimmond joined King's College London, UK as Chair and Professor of Physical Geography in 2006, after 17 years at Indiana University, Bloomington USA. She holds a BSc Hons from the University of Otago, New Zealand and graduate degrees (MSc, PhD) from The University of British Columbia, Canada. She was the founding chair of the Board of the Urban Environment of the American Meteorological Society (AMS), a past President of the International Association of Urban Climate (IAUC) and past Lead Expert for the World Meteorological Organization (WMO) on Urban and Building Climatology. She is an elected Fellow of the AMS, has a Doctor of Science Honoris Causa from Göteborg University Sweden, the Universitatis Lodziensis Amico Medal from University of Łódź Poland, and is a recipient of the Helmut E. Landsberg Award from the AMS and Luke Howard Award from the IAUC. She is currently an Editor of *Journal Atmospheric and Oceanic Technology*, Associate editor of *Journal of Applied Meteorology and Climatology* and on the editorial board of *Urban Climates*. Sue studies the biophysical processes involved in the generation of urban climates through the measurement and modelling of surface-atmosphere exchanges of heat, mass (water and carbon dioxide) and momentum at a range of spatial and temporal scales (individual urban canyons, to neighbourhoods, to entire cities). Sue and her students have conducted extensive fieldwork in cities across North America, Europe, and Africa, with a full measurement programme now focused on London. They are involved in the development and evaluation of parameterizations and numerical models of varying degrees of sophistication.

David Phillips
Senior Climatologist
Environment Canada



David has been employed with Environment Canada's weather service for over 40 years. His work activities relate to the study of the climate of Canada and to promote awareness and understanding of weather and climate in Canada. He has published several books, papers and reports on the climate of Canada, including several essays in [The Canadian Encyclopedia](#), and seven books including two bestsellers: [The Day Niagara Falls Ran Dry](#) and [Blame It On The Weather](#). He is the originator and author of the [Canadian Weather Trivia Calendar](#), the most popular calendar sold in Canada, and now in its 25th year. For nearly ten years he wrote the Weather-wise column in the [Canadian Geographic](#) magazine. David frequently appears on national radio and television as a commentator on weather and climate matters. David is a fellow of both the Royal Canadian Geographical Society and the Canadian Meteorological and Oceanographic Society. He has been awarded the Patterson Medal for Distinguished Service to Meteorology in Canada, the Commemorative Medal for the 125th Anniversary of the Confederation of Canada, the Queen Elizabeth Diamond Jubilee Medal and has twice received the Public Service Merit Award. David is the recipient of two honorary doctorates from the University of Waterloo and Nipissing University. In 2001, David was named to the Order of Canada.