

The IAUC Board is delighted to announce that **Bob Bornstein** is the winner of the **2008 IAUC Luke Howard Award**.

Over the last three decades Professor Bob Bornstein has shown an outstanding commitment to the field of urban meteorology. His determination, intellectual curiosity, intuition and scientific insight have resulted in seminal papers in at least three key areas of urban meteorology, including urban heat island influences on thunderstorm development, air pollution meteorology, and mesoscale modeling of urban areas.

Demonstrating the benefits of an integrated measurement-modelling approach, Professor Bornstein's work has provided a significant contribution to our understanding of the urban boundary layer. Using a combination of observational, theoretical, statistical and numerical modelling approaches, he has published key papers which have improved our understanding in many areas of urban climate including urban boundary layer structure, air pollution, urban heat islands, urban modification of frontal systems, climates of tropical cities, and the use of remote sensing in urban planning.

Professor Bornstein is perhaps best known for his work on the urban climates of New York City (NYC) in their many dimensions. Here he demonstrated what can be achieved by the continual probing of an observational data, as over the years he subjected it to different analyses to test hypotheses and evaluate new ideas. The understanding and pioneering insights into urban boundary layer processes developed as a result of this meticulous process have resulted in many subsequent successful studies based on the solid foundations of his ideas.

Professor Bornstein has also dedicated himself to teaching and university service. He has supported and mentored 30 graduate students. He has received notable academic awards such as the SJSU Outstanding Professor and the Phi Kappa Phi award for distinguished academic achievement. His leadership, enthusiasm and energy within the urban community is reflected in his continuing and extensive involvement in numerous conferences, workshops and meetings, his generosity with his time and his willingness to serve the community.

Professor Bornstein has also contributed to the development and wider recognition of the field of urban meteorology within the scientific community. As a Journal editor for *Atmospheric Environment*, and associate editor of both *Environmental Software* and the *Journal of Applied Meteorology* he has helped ensure the scientific integrity and high standards of urban meteorological research within peer reviewed literature.

In many ways Professor Bornstein epitomize the qualities for which the Luke Howard Award stands. His passion for research, dedication to students, enthusiastic service to the wider community and tireless devotion to the subject and the enduring quality of his work have provided a secure foundation for the subject and serve as a model for future generations of scientists.

Bob Bornstein is Professor of Meteorology in the Meteorology Department of San José State University, San Jose, USA (<http://www.met.sjsu.edu/faculty/bornstein/bornstein.html>).

Jennifer Salmond

Interim Chair IAUC Awards Committee