

Preface

The 11th Urban Environment Symposium (11UES) was held in September 2012 in Karlsruhe, Germany. The UES series is run by Chalmers University of Technology and the 11UES was organized in collaboration with the Karlsruhe Institute of Technology.

UES was initiated by Professor Ron Hamilton at Middlesex Polytechnic (now University) in the early 1980s and had the title “Highway Pollution”. The initial aim was to measure and assess challenges in highway pollution, with a strong emphasis on urban photochemical smog, ozone formation and particle release. After the first symposium, the emphasis on air pollution issues continued through to Munich in 1989 where diesel particulate issues and the relevance to health through measurements of PM10 emerged. The focus on air quality issues was also strengthened by the co-organisation of the symposium with Professor Roy Hamilton at the University of Birmingham from 1986 to 1998. In parallel, the symposium started to receive an increasing number of scientific contributions from the area of urban run off, indeed to the extent that the title of the symposium was changed to “Highway and Urban Pollution”. Also at this time the importance of science in support of policy was emerging as a key aspect of the symposium.

The 8th edition of the symposium was held in Nicosia, Cyprus in 2006 and was hosted by the Cyprus Institute. For this symposium, we decided to evolve the name of the series to “Highway and Urban Environment” to provide a positive view of our common future looking to a positive environment. That said, paper addressing pollution issues in the highway and urban environment remain a central part of the symposium as they help to raise awareness around issues to be solved. The 8th symposium was also marked by an organizational change with Chalmers University of Technology taking over the organization of the symposium series. For the first time, the proceedings were published as a book by Springer. The following symposia were held in Madrid, Spain and Gothenburg, Sweden. The 10th symposium was marked by a further name change with the term “highway” being dropped.

For 11UES we aimed at continuing to provide a forum for exchange and discussion on all aspects of the urban environment. Presentations covered air, soil and water contamination, pollution control technologies, management and mobility, urban ecosystems, urban climate and climate change. The symposium was opened

by Peter Fritz, Vice-President of KIT, and Gisela Splett of the State Government of Baden-Württemberg. Plenary presentations were given by Jean-Louis Morel from the University of Lorraine, France; Stefan Emeis from KIT, Germany; Christiane Weber from the University of Strasbourg, France, and Timon McPhearson from the New University, USA. The best poster prize was awarded to Lucas Reid of KIT.

The following facts provide a background of 11UES:

- 90 delegates from 26 countries
- 138 abstracts accepted for papers and posters
- 95 oral and poster presentations

We would like to take this opportunity to thank all who have contributed to the success of 11UES. We would especially like to acknowledge Andrea Friedrich at KIT whose organizational skills were essential to the success of this symposium. Cecilia Rossing is acknowledged for editorial work on the proceedings. The Organizing and Scientific Committees thank the following partners for financial support: PALAS, the Stadtwerke Karlsruhe, the KIT Center for Climate and Environment, the Ministry of Traffic and Infrastructure of Baden-Württemberg, and the Karlsruhe Municipality. Finally we would like to thank the delegates for the many valuable contributions and a highly enjoyable symposium.

Göteborg, Sweden

Sébastien Rauch
Associate Professor
Chalmers University of Technology

Göteborg, Sweden

Greg Morrison
Professor
Chalmers University of Technology

Karlsruhe, Germany

Stefan Norra
Professor
Karlsruhe Institute of Technology

Karlsruhe, Germany

Nina Schleicher
Researcher
Karlsruhe Institute of Technology

Urban Environment

Proceedings of the 11th Urban Environment Symposium
(UES), held in Karlsruhe, Germany, 16-19 September
2012

Rauch, S.; Morrison, G.; Norra, S.; Schleicher, N. (Eds.)
2013, XXI, 526 p. 164 illus., 90 illus. in color., Hardcover
ISBN: 978-94-007-7755-2