

2019 WEBINAR SERIES

AIR POLLUTION MITIGATION USING PASSIVE TECHNIQUES IN THE BUILT ENVIRONMENT: SHARING INTERNATIONAL BEST PRACTICE



GREEN INFRASTRUCTURE, SOLID BARRIERS AND URBAN DESIGN

WEDNESDAY 13TH NOVEMBER

FURTHER NUMERICAL MODELLING TO ASSESS PASSIVE MITIGATION OF AIR POLLUTION: CAPTURING THE WORLD IN NUMBERS

(07.00 PDT; 10.00 EDT; 15.00 IST/BST; 16.00 CEST)

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WEBINAR SESSION SPEAKERS

	<p>DR. CHRISTOF GROMKE, KARLSRUHE INSTITUTE OF TECHNOLOGY, GERMANY</p>	<p>“IMPACT OF AVENUE-TREES AND HEDGE ROWS ON TRAFFIC POLLUTANT DISPERSION IN (URBAN) STREET CANYONS”</p>
	<p>Dr. Christof Gromke is Senior Researcher at the Karlsruhe Institute of Technology KIT and teaches university courses in Fluid Mechanics, Wind Engineering and Flow Measurement Techniques. His general research interests comprise Building and Environmental Aerodynamics and Urban Climatology and Meteorology. In the past years, his research activities were specifically devoted to flow and turbulence in and above plant canopies and vegetation, pollutant dispersion in the urban environment and the interaction between urban vegetation and urban air quality.</p>	
	<p>DR. DAVID HEIST, U.S. ENVIRONMENTAL PROTECTION AGENCY, USA</p>	<p>“ROADSIDE BARRIER DISPERSION ALGORITHM DEVELOPMENT WITH METEOROLOGICAL WIND TUNNEL SUPPORT”</p>
	<p>Dr. David Heist is a Research Physical Scientist that works for EPA's National Exposure Research Laboratory in Research Triangle Park, NC. He leads research on the development and evaluation of applied dispersion models and algorithms. To do this, his main work is wind tunnel modelling of atmospheric boundary layers for the study of air pollution dispersion. His research focuses on the impact of road barriers on pollutant dispersion.</p>	
	<p>DR. RICCARDO BUCCOLIERI, UNIVERSITY OF SALENTO, ITALY</p>	<p>“URBAN VENTILATION INDICES AND THEIR APPLICATIONS TO SIMPLE AND COMPLEX GEOMETRIES”</p>
	<p>Dr. Riccardo Buccolieri is an Assistant Professor of Atmospheric Physics at the University of Salento, in Italy. His research, both experimental and modelling, is in the field of micrometeorology and atmospheric circulation at local scale. Specifically, the research deals with the study of flow and pollutant dispersion in the urban environment. He developed a new methodology for the study of the aerodynamic effects of trees and ventilation (city breathability) through integrated modelling tools including CFD and meteorological models.</p>	

WEBINAR SERIES SESSION CHAIRS

	<p>ASST. PROF. JOHN GALLAGHER TRINITY COLLEGE DUBLIN, IRELAND</p>		<p>DR RICHARD BALDAUF U.S. ENVIRONMENTAL PROTECTION AGENCY, USA</p>		<p>PROF. MAX ZHANG CORNELL UNIVERSITY, USA</p>