



**UK-Egypt workshop on
Air Quality and Health in
Middle-Eastern and European
Cities**

July 10 2018

**American University in Cairo, Cairo, Egypt
Venue: Prince Alwaleed Bin Talal Bin Abdulaziz
Alsaud Hall**

**UK Chair: Professor Prashant Kumar
Egyptian Chair: Dr Ahmed El-Gendy
Coordinator: Ms Rana Alaa**

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This workshop is organized as a part of Higher Education Innovation Funding funded project, RETINA (Reducing the Impact of Health and Climate Emissions in Megacity Cairo). This workshop aims to provide a platform to share knowledge and spread awareness towards the opportunities and impacts of air pollution research between the UK and Middle-Eastern countries. It will serve as a collaborative platform between various research groups, allowing them to share experiences and enhance their academic reach to European research groups.

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In Partnership With:

OPERANDUM

Open-air laboratories for nature-based solutions to
manage environmental risks



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Registration link:

<https://www.surrey.ac.uk/events/20180710-uk-egypt-workshop-air-quality-and-health-middle-eastern-and-european-cities>

Workshop Programme (10 July 2018)

Time	Activities
09:00-09:30 am	Arrival and Registration
09:30-09:40 am	Welcome and Introduction
	<p>Dr. Ahmed El-Gendy <i>Director of the Environmental Engineering Program, The American University in Cairo, Egypt</i></p> <p>Professor Hassan El-Fawal <i>Dean of the School of Sciences and Engineering and Professor of Environmental Toxicology, The American University in Cairo, Egypt</i></p>
09:40-10:00 am	Opening Remarks (Workshop Overview)
	<p>Professor Prashant Kumar <i>Founding Director, Global Centre for Clean Air Research (GCARE) Department of Civil & Environmental Engineering, University of Surrey</i></p> <p>Dr Ahmed El-Gendy <i>Director of the Environmental Engineering Program, The American University in Cairo</i></p>
Session 1 (Chairs: Prof Prashant Kumar & Prof Salah El-Haggar)	
10:00-10:20 am	<p>Prof Silvana Di Sabatino (University of Bologna, Italy) <i>Air quality and climate interactions: some examples of current modelling approaches</i> <i>Author: Silvana Di Sabatino</i></p>
10:20-10:40 am	<p>Professor Hassan El-Fawal (The American University in Cairo, Egypt) <i>Precision Health paradigms in Environmental Research: The EPA-Academic collaboration "Mechanistic-Indicators of Childhood Asthma-MICA"</i> <i>Author: Hassan El-Fawal</i></p>
10:40-11:00 am	<p>Ms Rana Alaa (University of Surrey / The American University in Cairo) <i>Reducing the impacts of health and climate emissions in Megacity Cairo</i> <i>Authors: Rana Alaa, Prashant Kumar and Ahmed S El-Gendy</i></p>
11:00-11:20 am	<p>Mr. Ashish Sharma (The University of Surrey) <i>Mitigating Air Pollution exposure of young children and in-pram babies</i> <i>Authors: Ashish Sharma, Prashant Kumar</i></p>
11:20-11:50 am	Q&A Session
11:50-12:20 am	Coffee break
Session 2 (Chairs: Prof Silvana Di Sabatino & Dr Amr Osama)	
12:20-12:40 pm	<p>Dr Andreas N. Skouloudis (European Commission, Joint Research Centre, Italy)</p>

	<i>Urban emissions in the era of diminishing returns and the case of photocatalytic coatings</i> <i>Author: Andreas N. Skouloudis</i>
12:40-13:00 pm	Prof Mohamed A. Saad (Textile Engineering Department, Textile Research Division, National Research Center, Egypt) <i>System Engineering for Industrial Air Pollution Control: Conversion of Electrostatic Precipitators into Fabric Filters in Egyptian Cement Mills</i> <i>Author: Mohamed A. Saad</i>
13:00-13:20 pm	Prof Tamer Shoeib (The American University in Cairo, Egypt) <i>Levels of polybrominated diphenyl ethers and novel flame retardants in microenvironment dust from Egypt: An assessment of human exposure.</i> <i>Authors: Yasmeen Hassan and Tamer Shoeib</i>
13:20-13:50 pm	Q&A Session
13:50-14:00 pm	Group Photo
14:00-14:30 pm	Lunch break
Session 3 (Chairs: Dr Andreas N. Skouloudis & Prof Tamer Shoeib)	
14:30-14:50 pm	Prof Prashant Kumar (University of Surrey, UK) <i>Air quality and health in cities</i> <i>Author: Prashant Kumar</i>
14:50-15:10 pm	Ms Yasmeen Hassan (The American University in Cairo, Egypt) <i>Poly- and perfluoroalkyl substances (PFASs) in indoor dust and food packaging materials in Egypt: Trends in developed and developing countries.</i> <i>Authors: Tamer Shoeib, Yasmeen Hassan, Cassandra Rauert and Tom Harner</i>
15:10-15:30 pm	Professor Hassan El-Fawal (The American University in Cairo, Egypt) <i>Inhaled ultrafine particulate matter and the birth of Nanotoxicology: Implications for Health</i> <i>Author: Hassan El-Fawal</i>
15:30-16:00 pm	Q&A Session
16:00-16:30 pm	Coffee break
Session 5 (Chairs: Professor Prashant Kumar & Dr Ahmed El-Gendy)	
16:30-17:30	Discussion Session for potential collaboration <i>UK-Egypt Opportunities</i>
17:30 pm	Concluding remarks & Adjourn

Notes for speakers: Each speaker has a maximum of 20 minutes for the presentation. Each session has 30 minutes for Q&A for speakers. **Please restrict your presentations to 20 minutes** for a timely completion of sessions.