International PhD summer course: "Current and future Air Pollution management – Perspectives on new sensor technologies"

September 2 - 7, 2018, Sandbjerg Mansion, Sønderborg, Denmark

<u>Venue</u>

Data modelling & services:
ssocProf. Kostas Karatzas
ristotle University, Greece
ss ۲i

Webpage w full program

Sunday						
Sept 2		Monday, Sept 3	Tuesday, Sept 4	Wednesday, Sept 5	Thursday, Sept 6	Friday, Sept 7
	Session 1	Welcome, Introduction of lecturers	Questions and answers,	Questions and answers,	Questions and answers,	From AQ data to personalized Quality
	9:00 - 10:30	and participants	exercises	exercises	exercises	of Life (QoL) Information services
						Kostas Karatzas
	Break					
	Session 2	Introduction to air pollution	Atmospheric Chemistry –	Air pollution modelling from local	Examples of low-cost sensor	Citizen Science for AQ monitoring
	11:00 - 12:30		homogeneous and heterogeneous	scale to long-range transport	networks for air pollution monitoring	and control
		Health effects of air pollution	transformation in the atmosphere			Student interaction and discussions
	Lecturer(s)	Ole Hertel	Ole Hertel	Ole Hertel	K. Karatzas, A. Schütze, O. Hertel	Kostas Karatzas
	Lunch break					
	Session 3	VOCs – relevance for outdoor and	Ambient air measurements – Air	Hands-on exercises with low-cost	Data-oriented analysis and modelling	From physical to chemical and then
	13:30 - 15:00	indoor air quality, impact on health	Quality monitoring, integrated	sensor systems	for air quality control	to biological weather
		and well-being	monitoring, field studies, and			
			personal exposure monitoring			
	Lecturer(s)	Andreas Schütze	Ole Hertel		Kostas Karatzas	K. Karatzas, O. Hertel, A. Schütze,
						Yulia Olsen
	Break					
ants	Session 4	Air pollution meteorology – impact	Gas sensor principles – materials,	Gas measurement systems – data	Gas sensors in your smartphone,	Questions and answers,
	15:30 - 17:00	on transport, deposition and	technology, functionality	analysis and system integration.	from a drone, in your car and your	final discussion
cip		dispersion			ventilation system – potential future	
/al of parti					applications	
	Lecturer(s)	Ole Hertel	Andreas Schütze	Andreas Schütze	Andreas Schütze	
	Break					
	Evening program	Poster session:	Hands-on sensors: examples for low-	Barbecue combined with gas and	Presentation: results of live	
L L L	starting 19:00	participant presentations	cost sensor elements and systems	particle sensor testing	measurements	
A						

Cost: DKK 4846 (~€ 650,00) incl. accommodation at Sandbjerg Mansion (5 nights starting Sunday evening) as well as full board during the whole course (excl. VAT)

Please register at:

http://auws.au.dk/Sandbjerg18_PhdCourse