



The CAPES/PROEX PPGSHS EESC/USP, in association with Federal University of Pernambuco and Federal University of Campina Grande, will host the CAPES School of Advanced Studies of Water & Societies under Change at the Anfiteatro do CETISC (USP São Carlos)

SCHOOL OF ADVANCED STUDIES OF WATER AND SOCIETIES UNDER CHANGE BY



Prof. Dr. Slobodan Simonovic
University of Western Ontario, Canada

Context: The 2019 CAPES School of Advanced Studies of Water & Society under Change (SASW&SC) is divided into six different modules. SASW&SC's modules share interdisciplinary objectives and crosscutting issues related to running projects through INCTMC2, INCLINE, CEPED/SP, and CEPID/CeMEAI, developed by local and international institutions. All SASW&SC visiting professors are worldwide experts allocated through a mix of open talks, lectures, workshops and seminars, according to their experiences and recent published articles in journals. In this new SASW&SC module, climate change, water security and resilience are addressed with potential solutions for the 2019-2035 Brazilian Water Security Plan, promoted by Agência Nacional de Águas. Climate change has been raising attention in our society, but it still needs a clear linkage to water security plans, resilient infrastructure and sustainable development goals. Thus, the research alliance among EESC-USP, UFPE and UFCG, promotes this 2019 SASW&SC module to discuss and develop these pathways under private-public partnership.

Short Bio: Prof. Dr. Slobodan Simonovic is currently Professor Emeritus at the Department of Civil and Environmental Engineering, University of Western Ontario and Director of Engineering Studies with the Institute for Catastrophic Loss Reduction. Prof. Simonovic is globally recognized for his unique interdisciplinary research in Systems Analysis and the development of deterministic and stochastic simulation, optimization, and multi criteria analysis decision-making methodologies for addressing challenging system of systems problems lying at the confluence of society, technology and the environment. His research has been applied with a sustainable development perspective in water resources management, hydrology, flooding, energy, climate change and public infrastructure. His main contributions include modelling risk and resilience of complex systems. Prof. Slobodan received more than 50 awards for excellence in teaching, research and outreach. I published over 550 professional publications (264 in peer reviewed Journals) and three major textbooks (translated into Chinese and Farsi). His Hirsh Index of 52, i10 Index of 195, and over 10,500 citations are excellent for his interdisciplinary field of research. More information: <http://www.slobodansimonovic.com/>

Watch us live! Click [here](#)



Registration: Free-of-charge, limited positions. Send email to emm@sc.usp.br and felipeaas@usp.br. **Live Streaming:** e.usp.br/cetisc-aovivo. **Credits:** only for enrolled participants. Registration at the Graduate Programme in Hydraulics and Sanitation Engineering – University of São Paulo, Federal University of Pernambuco and Federal University of Campina Grande. **More information:** www.eesc.usp.br/ppgshs

	Monday 09-Sep	Tuesday 10-Sep	Wednesday 11-Sep	Thursday 12-Sep	Friday 13-Sep
08:00					
08:30		Interdependent infrastructure systems under global change – from risk to resilience	Rainfall Intensity Duration Frequency curves for future climate scenarios – A publicly accessible computer tool	Interdependent infrastructure systems under global change – Multihazard Resilience	Use of quantitative resilience in managing urban infrastructure response to natural hazards
09:00					
09:30					
10:00	BREAK				
10:30		Interdependent infrastructure systems under global change – from risk to resilience	Rainfall Intensity Duration Frequency curves for future climate scenarios – A publicly accessible computer tool	A new approach to hydropower system safety	Modeling future flood risk across Canada under climate change
11:00					
11:30					
12:00	LUNCH BREAK				
12:30					
13:00					
13:30					
14:00		WORKSHOP ON RESILIENT WATER INFRASTRUCTURE*	MENTORING TALK ON WATER SECURITY AND RESILIENCE (OPTIONAL)	MENTORING TALK ON WATER SECURITY AND RESILIENCE (OPTIONAL)	CLOSING SESSION
14:30					
15:00					
15:30					
16:00	BREAK	BREAK			
16:30	OPEN LECTURE Infrastructure systems under changing climate – Challenges and opportunities	WORKSHOP ON RESILIENT WATER INFRASTRUCTURE*			
17:00					
17:30					
18:00					

*: This session will bring experts from UFCG, UFPE, ANA, CEMADEN, FIESP, University of Western Ontario and USP to the discussion.

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