



The CAPES/PROEX PPGSHS EESC/USP, in association with Federal University of Pernambuco and Federal University of Campina Grande, hosts at CETISC, USP São Carlos, 14-18 Oct., 2019:
The SCHOOL OF ADVANCED STUDIES OF WATER AND SOCIETIES UNDER CHANGE:
Sedimentation Hazards Engineering to Reduce Flooding Risk by
Natural and Manmade Phenomena: from water floods and landslides to hyperconcentrated floods, mudflows, debris flows and alluvial fan flooding risk in densely populated areas



Prof Marcelo Horacio Garcia
University of Illinois, USA, Director of Ven Te Chow Hydrosystems Lab

Biography - Marcelo Horacio Garcia, is an Argentinian water resources engineer from Universidad Nacional del Litoral, Santa Fe, Argentina. Educator and consultant, his achievements include development of the first model for sediment mixtures transport by turbidity currents in the ocean. Prof Garcia is recipient of several outstanding distinctions: Karl Emil Hilgard hydraulics Prize from American Society of Civil Engineers, New York City, The Alvin Anderson Award from University of Minnesota, Minneapolis. He is named Distinguished Visiting Professor University Genoa, Italy, has the M.T. Geoffrey Yeh Endowed Chair in Civil Engineering and is the recipient of the 6th M. Selim Yalin Lifetime Achievement Award by the International Association for Hydro-Environment Engineering and Research (IAHR). He is a Fellow of ASCE's Environmental Water Resources Institute. In addition, Garcia has received many awards including the National Award for Scientific Contributions to Science and Technology from the National Secretariat for Science, Technology and Innovation of Panama and the Hunter Rouse Hydraulic Engineering Lecture Award. He teaches courses on water resources engineering and hydraulic engineering, environmental hydrodynamics, sediment transport, river mechanics and open-channel hydraulics. Prof Garcia is the Director of the Ven Te Chow Hydrosystems Laboratory at Univ of Illinois, Urbana-Champaign.

Context: The 2019 CAPES School of Advanced Studies of Water & Society under Change (SASW&SC) encompasses different modules. SASW&SC's modules share interdisciplinary objectives and crosscutting issues related to running initiatives of: IAHS Panta Rhei Everything Flows, the National Institute of Science and Technology on Climate Change-Phase 2 (INCTMC2), the Interdisciplinary Centre for Climate Investigation (INCLINE), the Center for Education and Research on Disasters (CEPED/SP), and the FAPESP Research and Innovation Center of Applied Maths for Industry (CEPID/CeMEAI), developed by local and international institutions. All CAPES 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, sedimentation hazards engineering is addressed to reduce flooding risk by natural and manmade phenomena, of central interests to either the Brazilian System of Civil Protection, Braz. Act # 12.608 and the UN Sendai Disaster Risk Reduction (DRR) Framework. 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, a stewardship step to disaster risk reduction.



	Monday 14-Oct	Tuesday 15-Oct	Wednesday 16-Oct	Thursday 17-Oct	Friday 18-Oct	
8:00						
8:30		NO LECTURES	LECTURE 1	LECTURE 3		
9:00						
9:30						
10:00				BREAK	BREAK	
10:30						
11:00				LECTURE 2	LECTURE 4	
11:30						
12:00				LUNCH BREAK		
12:30						
13:00						
13:30						
14:00						
14:30						
15:00						
15:30						
16:00				STUDENTS DEMANDS	STUDENTS DEMANDS	
16:30	COURSE OPENING AND OPEN LECTURE					
17:00						
17:30						
18:00						



Registration: Free-of-charge, limited positions. Send email to emm@sc.usp.br and acsbuarque@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.