

SECURITY FOR SOCIETY

Politecnico di Milano, through its Department of Civil and Environmental Engineering and within the framework of the **University Alliance of the Silk Road (UASR)**, is organizing a series of monthly webinars exploring the theme “Security for Society”.

The webinars are intended as 2-hour meetings, during which a group of international experts from UASR universities will share their research advancements and answer to questions from their colleagues and the audience.

The concept “Security for Society” is approached from a holistic point of view focusing on: **environment, water, land, infrastructure**.

The webinars are held in English and everybody from UASR community is invited to participate. An attendance certificate will be issued to participants upon request.

24.02.2021

FROM 9 AM TO 11 AM CET

ENVIRONMENT SECURITY

M. Grosso | *From the treatment of waste to the management of resources: approaching the circular economy*

S. Saponaro | *Sustainability in the remediation of contaminated sites: evaluation at a preliminary stage*

G. Lonati | *Air quality management perspectives in urban areas*

L. Vangelista | *Viral threats detection and surveillance*

31.03.2021

FROM 9 AM TO 11 AM CET

WATER SECURITY

D. Bocchiola | *Water management in high altitude, melt driven catchments in the era of climate change: theory and examples from Europe and central Asia*

K. Duskaev | *Climate change impacts on water resources management in Kazakhstan*

C. Corbari | *Water and food security: the role of smart irrigation modelling and monitoring*

M. Afifi | *Water resources management in Egypt: assessment and recommendation*

M.A. Brovelli | *Ensure availability and sustainability of water for all: SIMILE, a geospatial enabler of a sustainable development goal*

28.04.2021

FROM 9 AM TO 11 AM CET

LAND SECURITY

D. Molinari | *Water-land-people relationship: protecting 20 million people by state-of-the-art flood risk mapping in the largest Italian basin*

G. Ravazzani | *Warning system for flood risk mitigation: the Milan case study*

Zhen-Yu Yin | *Hydro-mechanical modeling of granular soils considering internal erosion*

M. Cremonesi | *Numerical simulation of landslide runouts impinging in water reservoirs. Application to the Vajont disaster*

S. Rogobete | *Religion and existential security: a possible theoretical mapping of a complex territory*

26.05.2021

FROM 9 AM TO 11 AM CET

INFRASTRUCTURE SECURITY

F. Biondini | *Life-cycle reliability, resilience, and risk of bridges and infrastructure networks under climate change*

Haohui Xin | *Multiscale simulation on innovative materials and components towards bridge engineering application*

L. Ferrara | *The role of advanced cement based materials with enhanced durability to face the current societal and economical challenges*

You Dong | *Performance-based multiple hazards engineering incorporating climate change effects*

G. Bolzon | *Diagnostic analysis of infrastructures for energy production and transportation*

For more information and to register:

www.eventi.polimi.it/rassegna-evento/security-for-society/