



SAFERUP!
Thinking Beyond the Pavement



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1° SAFERUP WEEK in BOLOGNA

1-5 of April 2018

Locations to be defined

Cesare Sangiorgi
UNIBO



ORGANIZATION of the FIRST SAFERUP! WEEK in Bologna – from 1st to 5th of April 2019: workshop, courses, scrums, visiting scientist.

<i>8 Credits</i>	<i>SaferUP! WEEK</i>				
DAY	1	2	3	4	5
MORNING	X	Module 1 course 1.i course 1.j	Module 3 course 3.i course 3.j	Module TS course TS.i course TS.j	Project Meetings
AFTERNOON	Workshop (V)	Module 2 course 2.i course 2.j	Module 4 course 4.i course 4.j	Scrum	X

Training: Scientific & Technological Modules

Module 1	Road Safety & Smart Cities (2 h duration each course)	4 Credits	Delivered
course 1.1 (IT)	Urban Heat Island phenomenon: theoretical assessment and case studies		UNIPG
course 1.2 (IT)	The importance of skid resistance in road safety (LAB TOUR)		UNIBO
course 1.3 (SP)	Self-sensing and self-inspecting urban pavements for smart cities		UNIPG
course 1.4 (SP)	Bitumen modification and advanced additives for asphalt mixture		CEPSA
course 1.5 (DE)	Pavement materials for Urban Heat Island mitigation		UNIPG
course 1.6 (DE)	Low noise road surfaces for urban sound planning		MBBM
course 1.7 (UK)	Design and Construction of Multi-functional and Sustainable Urban Pavements for Future Cities		UNLANC
course 1.8 (UK)	Transitions between urban and non urban Sustainable Drainage Systems and their whole life costs		COVENT
Module 2	Sustainability & Recycling (2 h duration each course)	4 Credits	Delivered
course 2.1 (IT)	The art of recycling: an insight into the asphalt plant (SITE VISIT)		SAPABA
course 2.2 (IT)	Urban metals in Sustainable Drainage Systems and their treatment and control		COVENT
course 2.3 (SP)	Replacement of virgin aggregates by recycled materials and by-products in urban pavements		UNIBO
course 2.4 (SP)	Sustainability Assessment of Road and Infrastructure Constructions		UIBK
course 2.5 (DE)	Fully recycled asphalt concretes for urban pavements		CELU
course 2.6 (DE)	Use of self-healing materials in infrastructure applications		UNOTT
course 2.7 (UK)	New Sanitary Engineering tendencies to deal with Climate Change and permeable pavements		TECNA
course 2.8 (UK)	Biodegradation of hydrocarbon spills for improved safety using permeable pavement structures		UC
Module 3	Pavement Durability & Management (2 h duration each course)	4 Credits	Delivered
course 3.1 (IT)	Multiscale Approach for Advanced Durability		TUWIEN
course 3.2 (IT)	Optimization of road network maintenance and rehabilitation using the RNET model		CLARET
course 3.3 (SP)	Nanotechnology-enhanced binders to improve the resilience and durability of urban pavements		UNOTT
course 3.4 (SP)	Mobility management for efficient and sustainable traffic solutions in urban areas		TUWIEN
course 3.5 (DE)	Forecast of pavement performance within PMS (SITE VISIT)		DRC
course 3.6 (DE)	Tyre-road noise generation		MBBM
course 3.7 (UK)	Improving flood management in urban areas through the implementation of permeable pavements		UC
course 3.8 (UK)	Life Cycle Assessment (LCA) of Paving Materials		UIBK
Module 4	Urban Accessibility & Society (2 h duration each course)	4 Credits	Delivered
course 4.1 (IT)	Influence of infrastructure characteristics on vehicle safety and drivers behaviour		IFSTTAR
course 4.2 (IT)	Accessible person-environment interactions in the urban realm		UCL
course 4.3 (SP)	Best urban pavement solutions for pedestrians		FONCE
course 4.4 (SP)	Risks associated with urban pavements and their potential social consequences (LAB TOUR)		UC
course 4.5 (DE)	Methods and Models for traffic and urban area planning		TUWIEN
course 4.6 (DE)	Urban Pavement design for new materials		UNIKASS
course 4.7 (UK)	Infrastructure, planning and Sustainable Drainage Systems (SuDS) for bioremediation (SITE VISIT)		COVENT
course 4.8 (UK)	Creating forgiving asphalt to reduce impact of head, hip and carpus injuries for vulnerable road users		RISE

Training: Transferable Skills Module

Module TS	Transferable Skills (2 h duration each course)	5 Credits	Delivered	Course Type	In
course TS.1	Scientific Writing, Communication and Visualization		CELU	Communication courses	Bologna
course TS.2	Presentation techniques with video analysis		TUWIEN		Bologna
course TS.3	Economics and LCA training		UIBK	Technical and Scientific skills	Santander
course TS.4	Basic Statistical Analysis		UC		Santander
course TS.5	Project Management, Responsible Conduct of Research and Ethics		FHMUN	Organisation and management skills	Bonn
course TS.6	Patents and Intellectual Property		UNIBO		Bonn
course TS.7	Identification, research and matching interests of potential employers		ESCI	Career development and employability skills	Coventry
course TS.8	Fine tuning of CV		ESCI		Coventry
course TS.9	How to make a succesful job interview?		ESCI		Coventry
course TS.10	Outreach communication skills: making all contacts count		ESCI		Coventry

*All **ESRs** will have to **attend the SAFERUP! Weeks and participate in the associated training**, while being active during the **Workshops, Scrums and nested Poster Sessions**.*

*A **Best Poster Award** will be awarded after each **Supervisory Board meeting**.*

Training: Workshops

Workshop	Main Topic	Title <i>(from 2 p.m. to 6 p.m. with coffee break)</i>	Organized by
A (2 credits)	Road Safety & Smart Cities	New paving solutions for improving the road safety and the mitigation of pavements externalities	SAPABA in <i>Bologna, IT</i>
B (2 credits)	Urban Accessibility & Society	Accessibility and disability social inclusion in designing urban pavements for livable cities	FONCE in <i>Santander, SP</i>
C (2 credits)	Pavement Durability & Management	Management systems of urban pavements: assessment methods and maintenance solutions	DRC in <i>Bonn, DE</i>
D (2 credits)	Sustainability & Recycling	How to turn an old pavement into a new one and how to turn their dirty waters into clean ones?	CELU in <i>Coventry, UK</i>

*Each Workshop is organized by a **local Non-Academic beneficiary or partner** that will invite a renowned **Visiting Scientist** to give a talk on the specific workshop topic.*

Training: Scrums

Scrum	Main Topic	Title (from 2 p.m. to 6 p.m. with coffee break)	Main stakeholder	Chaired by
1 (2 credits)	Road Safety & Smart Cities	A future of Safer & Smarter urban pavements: how the new trends of research will make our cities more liveable?	Bologna Municipality	UNIPG in Bologna, IT
2 (2 credits)	Urban Accessibility & Society	Harmonizing the relationship between society and urban infrastructures through the implementation of accessible pavements	Reg.Gov.Dept. for Urban Develop.	UCL in Santander, SP
3 (2 credits)	Pavement Durability & Management	Will interdisciplinary and fundamental based research contribute to improved durability of urban pavements?	City of Munster	UNIKASS in Bonn, DE
4 (2 credits)	Sustainability & Recycling	Implementing sustainability approaches into pavement infrastructure projects development and urban design	Coventry City Council	UIBK in Coventry, UK

Scrums will be chaired by participants working on that topic and will see the involvement of a **Main Invited Stakeholder from the local institutions. Workshops and Scrums are open for Public Engagement and Dissemination.**

