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DEPARTMENT OF CIVIL
AND ENVIRONMENTAL
ENGINEERING



Presentation of:

XIX INTERNATIONAL SIIV SUMMER SCHOOL
Transportation Infrastructures towards Green Transition
Perugia - September 4th-8th, 2023

SIIV – Società Italiana Infrastrutture Viarie and the Department of Civil and Environmental Engineering - University of Perugia are proud to announce they are jointly organizing the XIX International SIIV Summer School, to be held in Perugia 4th-8th September, 2023.

SIIV is a scientific association including most of Italian academics, researchers and scholars involved in the area of Roads, Railways and Airports Engineering. SIIV Summer School is organized every year in September (first edition in 2003) and gathers PhD students, Postdoc fellows and young researchers (from Italy and abroad), providing them a platform for discussion and exchange of information.

Due to the widespread use, improving the sustainability of any pavement structure is essential to reap environmental, social, and economic benefits. Furthermore, the increasingly stringent environmental regulations and the need to reduce greenhouse gas emissions have inspired the transportation agencies and practitioners to cycle more waste materials and employ innovative technologies in designing and maintenance of transportation infrastructures. In this context, the XIX SIIV Summer School focuses on topics related to “**Transportation Infrastructures towards Green Transition**”. Accordingly, leading experts in the field have been invited as lecturers to up-to-date knowledge with the aim of promoting green solutions in terms of both materials and technologies. Furthermore, the life cycle assessment approach on sustainable transportation systems will be addressed by integrating environment, economic and social impacts. This school will present the main advances in the field and represent a useful occasion for discussing possible and innovative solutions for assuring sustainable development.

In the context of the Summer School, the **SIIV ARENA** will be held. The SIIV ARENA is an occasion for idea sharing and comparison, in which PhD candidates and young researchers present specific and interesting topics in the field of Roads, Railways and Airports. Therefore, the proposed presentations are not limited to the topics discussed in this Summer School. The Scientific Committee will then award one prize based on the quality of the presentation, the impact of the research and the innovation of the proposed idea. The deadline for SIIV ARENA participation (1 or 2 speakers for each University) is June 30th, 2023. The research must be presented in English and its duration will be determined according to the number of speakers.

I look forward to seeing you in Perugia on the 4th of September!

Gianluca Cerni

VENUE

SIIV lectures will be held at the Relais dell’Olmo (Strada Olmo Ellera 4, 06132 Perugia, Italy), where attendants will be accommodated as well. Here, meetings and conventions can be hosted in the refined “Sala delle Volte” hall, which is equipped with the most modern devices and can host up to 100 people.



Institutional greetings and the SIIV ARENA, which are scheduled on the first and final days of the event respectively, will be held at the **main hall of the Department of Civil and Environmental Engineering - University of Perugia** (Via Goffredo Duranti 93, 06125 Perugia, Italy).



PROGRAM – 1st ANNOUNCEMENT

September 4th (Monday)

15.00-16.00: Registration at Department of Civil and Environmental Engineering of Università degli Studi di Perugia

16.00-16:30: Institutional greetings: Prof. Orazio Baglieri (SIIV President), Prof. Maurizio Oliviero (Rector of Università degli Studi di Perugia), Prof. Giovanni Gigliotti (Head of the Department of Civil and Environmental Engineering of Università degli Studi di Perugia), Prof. Filippo Ubertini (Head of the International Doctoral Program in Civil and Environmental Engineering at Università degli Studi di Perugia)

16.30-18:30: Technical workshop

18.45: Transfer to Relais dell’Olmo

20.15: Dinner at the hotel – Restaurant “Osteria dell’Olmo”

September 5th (Tuesday)

9.00-13.30: **SIIV LECTURES*** (30’ coffee break)

13.30: Light lunch at the hotel

17.00: Excursion to Perugia city centre and visiting (1h30’)

20.00: Dinner

22.00: Transfer to the hotel



September 6th (Wednesday)

9.00-13.30: **SIIV LECTURES*** (30’ coffee break)

13.30: Light lunch at the hotel

17.00-19.00: Excursion to Assisi city centre and Basilica S. Francesco (2h)

19.15: Transfer to Spello

20.00: Dinner in Spello - Restaurant “La Cantina”

22.00: Transfer to the hotel



September 7th (Thursday)

9.00-13.30: **SIIV LECTURES*** (30’ coffee break)

13.30: Light lunch at the hotel



16.30: Excursion to MOO - MUVIT museum (45') and Lungarotti Winery (1h15')

19:00 Transfer to the hotel

20:30 Gala dinner



September 8th (Friday)

08.45: Transfer to DICA

9.00-12.30: **SIIV ARENA** (30' coffee break)

12.45-13.00: Closing session

13.30: Light lunch

*** SIIV LECTURES – CONFIRMED SPEAKERS**

- Prof. Hassan Baaj, University of Waterloo, *“The Green Shift Towards More Sustainable Transportation Infrastructures – The Canadian Experience”*
- Prof. Nicola Baldo, Università di Udine, *“Performance evaluation of sustainable pavement materials by machine learning methods”*.
- Prof. Giovanni Dotelli, Politecnico di Milano
- Prof. Andrea Graziani, Università Politecnica delle Marche, *“The ACR-PCR method to report airport pavement strength”*.
- Prof. Laura Moretti & Dr. Giulia Del Serrone, Università di Roma La Sapienza
- Prof. Cesare Sangiorgi, Università di Bologna, *“Sustainable maintenance techniques for wearing courses: different approaches to 100% asphalt concrete recycling”*.
- Prof. Lucia Tsantilis, Politecnico di Torino, *“Sustainability assessment of pavements containing unconventional construction materials”*.

ORGANIZING COMMITTEE

Prof. Gianluca Cerni, Università di Perugia

Dr. Alessandro Corradini, Università di Perugia

INTERNATIONAL SCIENTIFIC COMMITTEE

Prof. Hassan Baaj, University of Waterloo

Prof. Nicola Baldo, Università di Udine

Prof. Orazio Baglieri, Politecnico di Torino
Prof. Gaetano Bosurgi, Università di Messina
Prof. Francesco Canestrari, Università Politecnica delle Marche
Prof. Gianluca Cerni, Università di Perugia
Prof. Gianluca Dell'Acqua, Università di Napoli Federico II
Prof. Giovanni Dotelli, Politecnico di Milano
Prof. Felice Giuliani, Università di Parma
Prof. Andrea Graziani, Università Politecnica delle Marche
Prof. Laura Moretti, Università di Roma La Sapienza
Prof. Andrea Simone, Università di Bologna
Prof. Cesare Sangiorgi, Università di Bologna
Prof. Lucia Tsantilis, Politecnico di Torino

CONTACTS

siivsummerschool2023@gmail.com

Prof. Gianluca Cerni +39 3397144674

Dr. Alessandro Corradini +39 3491412122

SPONSORS



PAV.I.



REGISTRATION

Please, follow the instructions reported below:

- In the following page, select the type of participation/registration fee
- In the following page, mark the days you will be attending the SIIV Summer School 2023
- Send the present registration and the proof of payment to the organizing committee by **June 10th, 2023**, at the following email addresses:

sivsummerschool2023@gmail.com

Payment by bank transfer:

Società Italiana Infrastrutture Viarie
IBAN code: IT 10 G 02008 05302 000401199990
BIC/SWIFT code: UNCRITM1158

For PhD students and young researchers attending the Summer School:

- **Registration fee in single room: 580 Euro**
- **Registration fee in double room: 440 Euro**

The Registration fee includes:

- 4 nights' accommodation
- 4 breakfasts, 4 lunches, 4 dinners and 4 coffee breaks
- Tourist tax
- 1 Gala dinner
- 3 Excursions
- Attendance of the SIIV Arena
- Certificate of attendance of the Summer School

For SIIV associates daily participation:

- **Daily Registration fee in single room: 145 Euro**
- **Daily Registration fee per participant in shared double room: 110 Euro**

The Daily Registration fee includes:

- Night in single/double room
- Daily breakfast, lunch, dinner and coffee break
- Tourist tax
- Daily activities envisaged in the program (Excursions, gala dinner etc.)

Registration Form		
Name		
Surname		
University/Affiliation		
Address		
City		
Mobile phone		
E-mail		
Type of room (mark with an "x")	<input type="checkbox"/> Single room (DUS)	<input type="checkbox"/> Double room*
Number and name of the other occupants that will share the room with you		
Type of participation (tick one box in the following row)		
<input type="checkbox"/> SIIV associate	<input type="checkbox"/> PhD student	
If participating as a SIIV associate, mark with an "x" the days you will be attending:		
<input type="checkbox"/> Monday, September 4 th		
<input type="checkbox"/> Tuesday, September 5 th		
<input type="checkbox"/> Wednesday, September 6 th		
<input type="checkbox"/> Thursday, September 7 th		

Additional notes for the organizing committee - allergies and intolerances

Notes: * The price for the double room accommodation is intended for single guest in shared room. If the participant wants to book the whole room, the price is twice as shown. Please specify in the additional notes if you intend to share the double room or book the whole double room.