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Ordine degli Ingegneri della Provincia di Pisa

**Sustainability assessment of transport infrastructure:  
Recent developments and international projects**  
16<sup>th</sup>-17<sup>th</sup> July 2018, Pisa  
Congress Center "Le Benedettine" - Piazza S. Paolo a Ripa D'Arno, 16  
Workshop agenda

**Monday 16<sup>th</sup> of July**

8:45 am - 9.15 am | Registration and Reception

**Monday 16<sup>th</sup> of July**

**1<sup>st</sup> session**

9:15 - 10:00 am	Welcome speech: Leonardo Tognotti (Director of DICl- University of Pisa); Paolo Mancarella (Rector of the University of Pisa) Opening speech: Massimo Losa (Full Professor DICl University of Pisa)
10:00 - 10:30 am	Monica Puccini (Assistant Professor of Industrial Chemistry DICl - University of Pisa) <i>Life Cycle Assessment (LCA): fundamentals</i>
10:30 - 11:00 am	Joëlle De Visscher (BRRC - Belgian Road Research Center) <i>Evaluation and Decision Process for Greener Asphalt Roads (EDGAR project)</i>
11:00 - 11:30 am	<b>Coffee break</b>
11.30 - 12:00 am	Véronique Cerezo (IFSTTAR - Institut Français des Sciences et Technologies des Transports, de l'Aménagement et des Réseaux) <i>LCE4ROADS: a new certification system for sustainable roads</i>
12:00 - 12:30 am	Lorenzo Orsenigo (Executive director of ICMQ – Istituto di certificazione e marchio qualità) ENVISION™: the sustainable rating system for infrastructures
12:30 - 1:00 pm	Gloria Dajelli (Coordinator of the environmental study department Italferr) <i>Environmental sustainability in railway infrastructure projects and design. Application opportunities of the Envision™ protocol</i>
1:00 - 2:30 pm	<b>Lunch break</b>

**2<sup>nd</sup> session**

2:30 - 3:00 pm	Waheed Uddin (Professor and Director of CAIT, Center of Advanced Infrastructure Technology - University of Mississippi) <i>Assessing Sustainability and Disaster Resilience of Infrastructure Systems</i>
3:00 - 3:30 pm	David Lee (Professor, Civil and Environmental Engineering - University of Iowa – President of iSMARTI) <i>Green materials and green asphalts for roads</i>
3:30 - 4:00 pm	Rolf André Bohne (Professor at the Department of Civil and Environmental Engineering NTNU Norway) <i>Life Cycle Assessment applied to infrastructures design and construction: A Scandinavian point of view</i>

Web site:  
[www.nereideproject.eu](http://www.nereideproject.eu)



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4:00 – 4:30 pm	<b>Coffee break</b>
4:30 – 5:00 pm	Davide Lo Presti (Senior Research Fellow at Nottingham Transportation Engineering Centre, University of Nottingham) <i>Maximising asphalt recycling by minimising the impact: a summary of international initiatives at NTEC</i>
5:00 – 5:30 pm	Sara Bressi (Research fellow at DIC1, University of Pisa) <i>A comparative Life-Cycle assessment of asphalt mixtures for railway sub-ballast containing alternative materials</i>
6:00 – 6:30 pm	Final questions and Conclusions

### Tuesday 17<sup>th</sup> of July

#### 3<sup>rd</sup> session

9:00 – 9:30 am	Massimo Losa (Full Professor- DIC1, University of Pisa) NEREIDE project: Design, construction and monitoring of the first phase trials
9:30 - 10:00 am	Elena Ascari (ARPAT - Agenzia regionale per la protezione ambientale della Toscana) Nereide project: A new method for pass-by measurements in urban areas
10:00 – 10:30 am	Gaetano Licitra (ARPAT - Agenzia regionale per la protezione ambientale della Toscana) <i>Performance evaluation and people response to new low noise pavements</i>
10:30 – 11:00 am	<b>Coffee break</b>
11:00 – 11:30 am	Luc Goubert (BRRC - Belgian Road Research Center) <i>A state-of-the-Art on Poroelastic Road Surfaces (PERS)</i>
11:30 – 12:00 am	David Woodward (University of Ulster – Newtownabbey, Northern Ireland) <i>Noise measurements in Ireland</i>
12:00 – 12:30 am	Riccardo Lamperti (R&D SAPABA) <i>SAFERUP project</i>
12:30 – 12.45 am	Final questions and closure of the workshop
12.45 – 14.00 pm	<b>Break</b>
14.00 – 16.00 pm	<b>Visit to the test sections (Registration required)</b>

**Workshop registration fee: 70 euros (VAT 22% included).** VAT refund is not allowed because this is a scientific and not an educational event. For the Italian engineers: it is possible to acquire n. 6 Training Credits (CFP) from the Professional Association of Engineers.

#### Workshop registration:

A) For the Italian professional engineers at the website <http://formazione.ordineingegneripisa.it/>. It is necessary to register on this website to obtain the CFP.

B) Bank transfer to BANCA DI PISA E FORNACETTE – SEDE DI PISA  
IBAN: IT 34 Y 0856 27091 0000011156569 BIC: BCC FIT 33

Payment description: *Name Surname* payment to DIC1 for WS NEREIDE

**The receipt of the payment must be sent to [sara.bressi@ing.unipi.it](mailto:sara.bressi@ing.unipi.it).**

**Only in this case the registration could be considered accepted.**

Organizing, information and contacts:

Sara Bressi; DIC1 – University of Pisa; E. [sara.bressi@ing.unipi.it](mailto:sara.bressi@ing.unipi.it); P. 050 2217732



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