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**Venice International University
International PhD Academy
Global Challenges Initiatives:
Mobility Challenges for Future Society**

**Venice International University
May 13 – 17, 2019**

Faculty

- Antonio Comi, University of Rome “Tor Vergata”
- Pietro Lanzini, Ca’ Foscari University of Venice
- Marco Mazzarino, University luav of Venice (Coordinator)
- Agostino Nuzzolo, University of Rome “Tor Vergata”
- Riccardo Rossi, University of Padua
- Lucio Rubini, Venice International University (Co-coordinator)
- Andrea Stocchetti, Ca’ Foscari University of Venice
- Pieter Vansteenwegen, KU Leuven

Agenda

Day	Session	Topic	Responsible
Monday 13.05	Morning	9.30 Welcome coffee	
		10.00 – 11.00 Opening & participants presentation	Venice International University
		11.00 – 12.00 <i>Lecture</i> Mobility challenges for future society	Marco Mazzarino <i>University luav of Venice</i> Lucio Rubini <i>Venice International University</i>
	Afternoon	13.30 – 14.15 <i>Poster session</i>	Students
		14.30 – 16.30 <i>Site visit</i>	

		<p>Rowing in Venice: slow mobility through the Lagoon to the Giudecca Island</p> <p>17.00 – 18.30 <i>Lecture</i></p> <p>Challenges of mobility in the historical city centers, the over-tourism phenomenon and the Venice case-study: 30 years of the Venice Project Center</p>	<p>Guest speaker: Fabio Carrera <i>Venice Project Center / Worcester Polytechnic Institute</i></p> <p>Venue: Giudecca, H3 (Ex-Herion)</p>
<p>Tuesday 14.05</p>	<p>Morning</p>	<p>9.30 – 12.30 <i>Lecture</i></p> <p>The approach of management studies in urban sustainable mobility: research methods, new perspectives and emerging trends.</p> <p><i>The seminar will deal with mainstream research questions and topics related to sustainable mobility management, with a specific focus on the urban environment. By way of introduction, an overview on the evolution of emerging principles in sustainable mobility will be provided. Among emerging themes, we will focus on those that are currently considered as the most relevant, from a management perspective, both by scholars and by practitioners. Specifically:</i></p> <p><i>a) on the systemic nature of urban mobility issues, which implies the need to involve stakeholders from the early planning stages. In this regard, students will be actively involved in case-studies for the collaborative identification of problems and possible solutions in a situation where the relationships between variables are complex to represent.</i></p> <p><i>b) The importance of considering commuters' behavior and decisions as crucial determinants of the effectiveness of urban policies. Urban mobility planning has been dominated by a supply-side / technological perspective, while the demand is typically seen as a group of decision-makers who choose according to price-&-travel-time economic rationality. There is a growing literature emphasizing the complexity of the issue, and the relevance of individual decision-making: commuters' decisions are often taken according to complex decisional processes envisaging the interplay of rational and habit-related variables, overcoming the mere "time & money" paradigm.</i></p>	<p>Andrea Stocchetti, Pietro Lanzini <i>Ca' Foscari University of Venice</i></p>



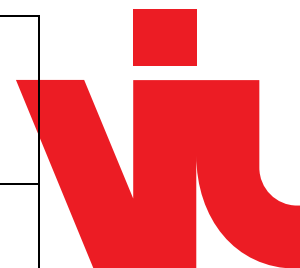
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		<p><i>Learning objective:</i> The seminar will provide students with an overview of research questions, methods and suggestions for the development of new research within mainstream topics in the field of sustainable urban mobility management. The seminars will also include a phase of concrete application of involvement techniques for the representation and discussion of a case study</p>	
	Afternoon	<p>14.00 – 14.45 <i>Poster session</i></p> <p>15.00 – 17.30 <i>Lecture</i> Innovation issues in public transport: operational planning and management <i>This talk will mainly focus on the “bus line planning” (or “bus network design”) problem. The line-planning problem decides for each bus line which stops it will serve and in which order, considering a given demand for transportation and one or more objectives about passenger service and operator costs for the entire network. Different variants and recent developments, such as considering emissions, flexible bus services in smart cities and on-demand services will be discussed. Moreover, appropriate optimization techniques efficiently addressing these planning problems will be explained.</i></p>	<p>Students</p> <p>Pieter Vansteenwegen KU Leuven</p>
Wednesday 15.05	Morning	<p>9.30 – 11.30 <i>Lecture</i> Decision support for personalized city-trip planning <i>How can decision support help you as a tourist to get the most out of your city trip, in a truly personalized way. This talk will introduce the City Trip Planner, an online tool suggesting personalized city trips based on limited input about your practical constraints and preferences. Different variants modelling your planning problem as accurately as possible will be discussed. Appropriate and efficient algorithms to calculate your personal trip will be presented. Along the way, decision support techniques in general and the field of Operations Research are introduced to a broader</i></p>	<p>Pieter Vansteenwegen KU Leuven</p> <p>Students</p>

		<i>audience.</i> 12.00 – 12.45 <i>Poster session</i>	
	Afternoon	14.00 – 17.30 <u>Transversal skills seminar</u> tbd	CNR
Thursday 16.05	Morning	9.30 – 12.30 <u>Transversal skills seminar</u> Project management	CNR
	Afternoon	14.00 – 17.30 <i>Lecture</i> Emerging approaches in data analytics to support urban transportation system analysis and modelling <i>Lecture</i> Innovative mobility policies for last-mile people and goods transport in historical cities	Antonio Comi, Agostino Nuzzolo <i>University of Rome “Tor Vergata”</i>
Friday 17.05	Morning	9.30 – 12.30 <i>Lecture</i> Data-driven approach as support to model-based simulation of urban transportation system	Riccardo Rossi <i>University of Padua</i>
	Afternoon	14,00 – 16.00 <u>Transversal skill seminar</u> Publishing and evaluating research results, peer review skills 16.00 – 18.00 <i>Workshop and Sum-up</i>	CNR VIU / University Iuav of Venice



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