

**VIU-UNINA Summer School**  
**Advanced transportation, Logistics and Supply chain management Program**

**Aligning market needs with integrated transportation, logistics and land-use planning: a unified approach**

**Stellenbosch University, June 30 – July 4, 2025**

|                | Monday                                                                               | Tuesday                                                                                                                               | Wednesday                                                                      | Thursday                                                                                                                  | Friday                                                                                         |
|----------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| 9:00<br>10:30  | Induction of Summer School<br>Participants                                           | Redesigning global supply chains<br>under uncertainty: trends towards<br>new geographical network<br>configurations<br>[M. Mazzarino] | SITE VISIT<br>City Of Cape Town MultiFunctional<br>Transport Management Centre | Technology & Data Applications in<br>Transport and Logistics Environment<br>[J. Andersen]                                 | Robotics-enabled logistics: smart<br>warehousing and last-mile<br>distribution<br>[Q. Mingyao] |
| 11:00<br>12:30 | State of Freight and Logistics in<br>South Africa<br>[Z. Simpson]                    |                                                                                                                                       |                                                                                | Practical Lab Application: The Use of<br>Floating Car Data<br>[M. Bruwer]                                                 |                                                                                                |
| 14:00<br>15:30 | Challenges for planning and<br>policymaking in freight and logistics<br>[V. Marzano] | Maritime transport trends and port<br>systems<br>[C. Sys]                                                                             | SITE VISIT<br>Port of Cape Town                                                | Innovative tools for transportation<br>and logistics planning and policy-<br>making in the digital age<br>[D. Menichetti] | Port-rail last mile issues : some<br>success stories<br>[M. Cociancich]                        |
| 16:00<br>17:30 | Sustainable freight and logistics<br>[V. Marzano]                                    |                                                                                                                                       |                                                                                | Traversing Black Swan Events:<br>Building Organisational Agility and<br>Resilience in a Disrupted World<br>[V. Jansen]    |                                                                                                |
|                |                                                                                      |                                                                                                                                       |                                                                                | SOCIAL DINNER                                                                                                             |                                                                                                |

## Faculty short bios



**Marco Mazzarino** is Professor of Transport Geography, Logistics and Supply Chain Management at the University IUAV of Venice. He and two partners (former top executives) founded Bestever Supplychain, a start-up company and university spin-off. He is Head of the SLU (Sustainable Logistics Unit) at Venice International University, where he is in charge of the development of international projects in the field of supply chain and logistics. At IUAV and VIU he has led more than 70 innovation projects and 90 publications, including 3 books. At IUAV he has been also the Director of the Professional Master Program in "Global Supply Chain Management and Logistics" for more than 15 years. He serves as Member of ALICE (Alliance for Logistics Innovation through Collaboration in Europe). He earned a PhD in Transport, Traffic and Environment at the University of Trieste in 1997, and specialized at the Massachusetts Institute of Technology, Institute for Transport Studies of the University of Leeds and World Maritime University in Malmoe.



**Vittorio Marzano** is full professor in Transport Engineering with the Department of Civil, Architectural and Environmental Engineering (DICEA) of the University of Naples Federico II (UNINA). His research interest covers various topics in passenger and freight transport engineering, with more than 35 publications in top journals, 8 book chapters and over 80 presentations and publications in international conference proceedings. He is director of *LogitLab* at DICEA/UNINA, heading a research group of 2 researchers, 3 PostDocs and 5 PhD students. He has been principal investigator in numerous national and international funded research projects, and is currently spoke leader of Spoke 10 - Freight and Logistics of the National Centre for Sustainable Mobility (MOST). He has carried out intensive research activities abroad, mainly in the USA, Singapore and the United Kingdom, dealing with methodological and technological innovations in the analysis and planning of passenger and freight transport. He has been consulting in various fields of transport engineering since 2005, and in particular in freight transport and logistics. He has contributed to plans and projects for freight and passenger transport systems at urban, regional, national and international levels. He has been an advisor of the Ministry of Infrastructure and Transport and of Rete Autostrade Mediterranee.



**Johann Andersen** is Adjunct Associate Professor of Transportation Engineering at Stellenbosch University where he is also Head of Intelligent Transport Systems and Smart Mobility Laboratory. He has extensive exposure in the field of technology applications in Transportation. He has practical industry experience in the fields of Freeway Management Systems, Advanced Public Transportation Management Systems, Vehicle Overload Control Systems. This entails concept and strategy development, design and monitoring of deployment. His passion is to convey the practical experience to his teaching and research environment. He earned his PhD (Civil Engineering) at the University of Stellenbosch.



**Megan Bruwer** is a transportation engineer and lecturer in the Civil Engineering Department of Stellenbosch University. She is also project coordinator of the Stellenbosch Smart Mobility Laboratory (SSML). Since returning to academia full time, Megan has enjoyed and excelled in her role as a lecturer. In 2017 she was awarded the Teaching Excellence Award presented by the Dean of the Engineering Faculty. Megan's research interests include traffic flow theory and the application of Floating Car Data in the developing country context. She is currently completing a PhD in this field. Megan worked as a consultant engineer, involved in the design of rural and metropolitan public transport systems and road based traffic accommodation for new developments.



**Maurizio Cociancich** is CEO of Adriafer s.r.l. and researcher at Venice International University. He is an expert in Supply Chain Management and geoeconomics, with twenty years of experience in the public and private sectors. After obtaining a PhD in geopolitics, geoeconomics and geostrategy at the University of Trieste, he worked as a consultant on logistics innovation projects and coordinated the Master in Global Supply Chain Management and Logistics at the IUAV University of Venice. Over the years, he has participated in various research projects in the field of transport and transnational value chains, as well as writing and editing numerous national and international publications.



**Vanya Jansen**, Stellenbosch University, is a Human capital and Certified Supply Chain Professional (CSCP), passionate about impacting organisations, leaders, teams and individuals and offers tailored solutions that foster sustainable growth and development. With over 20 years of experience accompanied by qualifications in Strategic Business Mgt, Human Resource Mgt, Industrial Psychology, Project Mgt and Supply Chain she is committed to driving both excellence and service delivery and thrives in environments where there a need to optimise people, processes and systems so that high levels of organisational effectiveness are achieved.



**Dario Menichetti** has an extensive professional background in the field of transportation and mobility management. With experience in leading projects and services in various companies such as PTV Group, Etihad Rail, Mott MacDonald, Scott Wilson, and the University of Rome "Tor Vergata," Dr Dario has contributed significantly to the development of transport systems in regions across IMEA, Middle East & Asia Pacific, Africa, and Europe. Dr Dario's academic achievements, including a PhD in

Transportation/Mobility Management, add to his expertise in research, lecturing, and consulting in the field.



**Mingyao Qi** is a Professor and PhD Supervisor at Tsinghua University. His research focuses on the modeling and optimization of state-of-the-art logistics systems, including drone delivery, robotic warehousing, and electric vehicle routing. His studies have been published in journals like Operations Research, Transportation Science, Transportation Research Part B, Part E, and International Journal of Production Economics. He is Co-President of the International Conference on Transportation and Logistics. He also serves as the

Director of the Shenzhen Key Lab of Logistics Engineering and Simulation. He received his PhD in Geographic Information System from the Chinese Academy of Sciences' Institute of Geographic Sciences and Natural Resources Research.



**Zane Simpson** is a Senior lecturer at Stellenbosch University Department of Industrial Engineering. He has co-authored over 20 academic journal articles, the first book globally on Macrologistics, and 2 chapters in the first book on freight flow modelling in the developing world. He is a specialist in the development of macrologistics measurement tools in developing economies, including freight flow models and logistics costs models, which were

pioneered in South Africa, and has been subsequently successfully applied in sub-Saharan Africa, India, Mongolia, Uzbekistan, South Sudan and Ethiopia. Created a structured methodology for modelling sectorally and regionally disaggregated freight flows in emerging economies. The freight models he created are based on supply and demand volumes of disaggregated commodities, the interactions between places and the transport modes that are utilised. He has a PhD degree in Industrial Engineering from Stellenbosch University on the topic disaggregated national freight demand modelling in emerging economies.



**Christa Sys** currently is holder of the BNP Paribas Fortis chair on transport, logistics and ports and promotor of the Chair Dennie Lockefeer at the Department of Transport and Regional Economics. Until

October 2013, Christa Sys was scientific director of the Research Centre on Freight and Passengers flows. Next, she is course co-ordinator for the courses 'Business Environment', 'Maritime Economics and Businesses' and 'Maritime Supply Chain' at the Centre for Maritime and Air Transport (C-

MAT). She also teaches at the Faculty of Business and Economics. Her educational activities focus on (operational aspects of) maritime transport, transport economics and inland transportation. Her research centres on maritime economics and co-operation and competition in shipping. She jointly graduated as a doctor in Applied Economics at the Ghent University and the University of Antwerp (December 2010). Her doctoral research dealt with the competitive conditions, the concentration and the market structure of the container liner shipping industry (link). This research was awarded by the Section of Technical Sciences of the Royal Academy for Overseas Sciences with the General Manager Fernand Suykens Prize for Port Studies. In 2024, she received the civil honorary title 'Commander in the Order of the Crown'.