**Master in SMArt transport and LOGistics for cities**

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**WP 4.4 – Training of UA and GE teachers at EU Universities**

**University of rome tor vergata**

***19th – 30th November 2018***

***Rome,* Italy**



Aula Giunta – room 02-103

Civil Engineering Building, Engineering School

Via del Politecnico 1, 00133 Rome

585832-EPP-1-2017-1-IT-EPPKA2-CBHE-JP

[*www.smalog.uniroma2.it*](http://www.smalog.uniroma2.it)

***Monday, 19th November 2018***

| **Time** | Topic | Speaker(s) |
| --- | --- | --- |
| 10:30 | Participants’ arrival*Introduction to internship* | Antonio Comi |
| 11:00 | Introduction to VISUM | Umberto Crisalli |
| 14:00 | Exercises with VISUM | Umberto Crisalli |

***Tuesday, 20th November 2018***

| **Time** | Topic | Speaker(s) |
| --- | --- | --- |
| 10:30  | Technical Visit at Control Room of Italian Railway Network***place***: Roma Termini Railway station (check gate at platform 1) |  |
| 14:00 | Introduction toBus Network Operations Control 1 – 2***place***: teaching building, room C2 | Agostino Nuzzolo |

***Wednesday, 21st November 2018***

| **Time** | Topic | Speaker(s) |
| --- | --- | --- |
| 10:30  | Individual work: transportation supply and demand |  |
| 12:00 | Practical applications on transportation supply and demand | Antonio Comi |
| 16:00 | Time Series: analysis and examples of time series decomposition***place***: teaching building, room C2 | Agostino NuzzoloAntonio Comi |

***Thursday, 22nd November 2018***

| **Time** | Topic | Speaker(s) |
| --- | --- | --- |
| 10:30  | Individual work/study |  |
| 14:00 | Time Series: forecast methods and accuracy evaluationExamples of bus travel time forecasting***place***: teaching building, room C2 | Antonio Comi |

***Friday, 23rd November 2018***

| **Time** | Topic | Speaker(s) |
| --- | --- | --- |
| 10:30  | Technical Visit at Metro C***place***: Metro C station: GIARDINETTI |  |
| 14:00 | Individual work |  |

***Monday, 26th November 2018***

| **Time** | Topic | Speaker(s) |
| --- | --- | --- |
| 10:30  | Individual work/study |  |
| 14:00 | Urban goods movement: overview, measures and plansExamples of application | Antonio Comi |
| 16:00 | Practical applications on urban goods demand | Antonio Comi |

***Tuesday, 27th November 2018***

| **Time** | Topic | Speaker(s) |
| --- | --- | --- |
| 10:30  | Individual work/study |  |
| 14:00 | Introduction to Public transport management (Swarco Mizar) | Giulia Dovinola |

***Wednesday, 28th November 2018***

| **Time** | Topic | Speaker(s) |
| --- | --- | --- |
| 10:30  | Effects of actions on freight nodes, financial and economic analysisLogistic costs and modal choice | Antonio Comi |
| 12:00 | Practical application: cost benefit analysis of intermodal freight nodes | Antonio Polimeni |
| 16:00 | Time Series: Exercises with R-projectArtificial Neural Networks***place***: teaching building, room C2 | Antonio Comi |

***Thursday, 29th November 2018***

| **Time** | Topic | Speaker(s) |
| --- | --- | --- |
| 10:30  | Vehicle routing problem: notions and applications | Cristian Giovanny Gomez Marin |
| 14:00 | Public transport management (exercise with Flash by Swarco Mizar)***place***: teaching building, room C2 | Antonio Polimeni |

***Friday, 30th November 2018***

| **Time** | Topic | Speaker(s) |
| --- | --- | --- |
| 10:30  | Introduction to transport and land use interaction + applications | Pierluigi Coppola |
| 14:00 | Exercises on transport and land use interaction |  |
| 16:00 | Concluding remarks |  |

**LIST OF PROFESSORS VISITING TOR VERGATA**

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| --- | --- | --- | --- |
| **University local** | **Name and Surname**  | **Module(s) taught in SmaLog** | **The reason (i.e. why the teacher wants to pass an internship at this university)** |
| P3 – O. M. Beketov National University of Urban Economy in Kharkiv - NUUE | Yevhen Kush | Freight Transportation Simulation | To obtain theoretical knowledge and practical skills in: |
| 1) Definition, classification and functions of freight nodes |
| 2) Aggregate / disaggregate models consignment and logistics models |
| 3) Assessing freight scenarios (Design of freight nodes. Freigh transport planning) - effetti |
| Oleksandr Rossolov | Integrated Transport Systems in City Logistics | To obtain theoretical knowledge and practical skills in: |
| 1) Urban goods movements: integrated modelling |
| 2) Routing and schedule models in case of last mile logistics; |
| 3) Assessment of integrated transport systems: criterions, assessment methods, simulation scenarios  |
| P4 – Lviv Polytechnic National University - LPNU | Mykola Zhuk | Intelligent Transport and Urban Logistics | Introduction to the process of simulation procedure of transportation process in cities using special program products. |
| Intelligent Transport Systems | Methods for analyzing and solving problems associated with urban logistics planning and management. |
|   | Application of routing methods for cargo transportation in urban logistics. |
| Volodymyr Kovalyshyn | Social and ecology efficiency of urban transport systems  | Introduction to the process of simulation procedure of transportation process in cities using special program products. |
| Ways of introduction of optimal planning and application of effective management in the transport system. |
| Traffic Flows Management in the City Center (part 1)  | Methods for analyzing and solving problems associated with urban logistics planning and management. |
| P7 – Georgian Technical University - GTU  | Giorgi Doborjginidze | Freight Transport Simulation | To learn more about city freight transport, city logistics and freight transport simulation. Based on local experience to optimize the curriculum and syllabuses drafted and discuss the final version with P1. To learn more about the laboratory equipment and PTV software and their use in the learning process.  |
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| Teimuraz Ugulava | Traffic Flows Simulation and Management; Integrated Transport System in City Logistics | Work intensively on traffic flow simulation tools (PTV). Work with G. Doborjginidze on the optimization of curriculum and syllabuses related to traffic simulation and city logistics.  |
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| P8 - Batumi State Maritime Academy - BSMA | Konstantin Bolkvadze | Freight Forwarding; | We’ve studied Tor Vergata University educational programs and modules via web-site and entirely match to our essentials.  |
| International Transport Operations.  | Would like to study the goals and aims, contents and outcomes, compliances with Tor Vergata University Programs to BSMA. We’d like to work with syllabuses and program with professors. Share their knowledge, opinion and innovative approaches toward to modern transport systems.  |
| Mamuka Baramidze | Freight Forwarding; | We’ve studied Tor Vergata University educational programs and modules via web-site and entirely match to our essentials.  |
| International Transport Operations.  | Would like to study the goals and aims, contents and outcomes, compliances with Tor Vergata university Programs to BSMA. We’d like to work with syllabuses and program with professors. Share their knowledge, opinion and innovative approaches toward to modern transport systems. |