



American  
University  
of Armenia



Università  
degli Studi  
della Campania  
Luigi Vanvitelli



ПОЛИТЕХ  
Санкт-Петербургский  
политехнический университет  
Петра Великого

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## Yerevan Series on Engineering and Sustainability\*

### *Construction Ecology and an Introduction to Computational Fluid Dynamics & Finite Volume Method*

09-13 April, 2018

Venue: National Polytechnic University of Armenia, 105 Vahan Teryan, Yerevan 0009

#### Monday, April 09

Building 2, Room 2431

Time	Lecture topic	Lecturer
14.30 – 16.00	<b>Introduction to Construction Ecology.</b> Highlights: Construction Ecology & Industrial Ecology	Senior lecturer Julia Lednova
16.00 – 16.15	<b>Break</b>	
16.15 – 17.45	<b>Introduction to Construction Ecology.</b> Highlights: Built Environment, Sustainability & Design for Development	

#### Tuesday, April 10

Building 2, Room 2431

Time	Lecture topic	Lecturer
14.30 – 16.00	<b>Urbanization and the Basic Functions of City Construction.</b> Highlights: Urbanization & Urbanization History	Senior lecturer Julia Lednova
16.00 – 16.15	<b>Break</b>	
16.15 – 17.45	<b>Urbanization and the Basic Functions of City Construction.</b> Highlights: Urbanization: Causes, Benefits & Challenges, Urban Ecology & Sustainable Construction	

#### Wednesday, April 11

Building 2, Room 2431

Time	Lecture topic	Lecturer
14.30 – 16.00	<b>Environmental Issues and Standards (Russian System).</b> Highlights: Ecosystems, Energy flows, Xenobiotics & Russian standards	Senior lecturer Julia Lednova
16.00 – 16.15	<b>Break</b>	
16.15 – 17.45	<b>Life cycle assessment.</b> Highlights: Sustainability & Life cycle assessment	

#### Thursday, April 12

Building 2, Room 2431

Time	Lecture topic	Lecturer
14.30 – 16.00	<b>An Introduction to Computational Fluid Dynamics and Finite Volume Method</b>	Prof. Giuliano De Stefano
16.00 – 16.15	<b>Break</b>	
16.15 – 17.45	<b>An Introduction to Computational Fluid Dynamics and Finite Volume Method</b>	

#### Friday, April 13

Building 2, Room 2431

Time	Lecture topic	Lecturer
14.30 – 16.00	<b>An Introduction to Computational Fluid Dynamics for Energy-Efficient Building Design</b>	Prof. Giuliano De Stefano
16.00 – 16.15	<b>Break</b>	
16.15 – 17.45	<b>An Introduction to Computational Fluid Dynamics for Energy-Efficient Building Design</b>	

(\*) The Yerevan Series on Engineering and Sustainability has a number of talks and workshops planned for 2017 and 2018. The Series is offered within the frames of the Erasmus+ MARUEEB Project. The academic partners from Armenia are NPUA and AUA. Visit <http://ace.aua.am/projects/marueeb/> and <http://marueeb.ru/>