

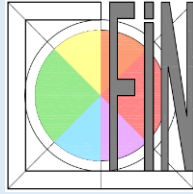
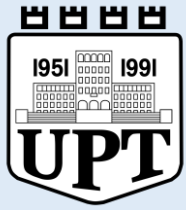
**2<sup>nd</sup> INTERNATIONAL SCIENTIFIC SYMPOSIUM**  
**"ENGINEERING APPLICATIONS IN SOLVING ENVIRONMENTAL CHALLENGES"**

**12 - 13 December 2019**

**Place: Faculty of Civil Engineering,**

**Hall: AULA MAGNA**

**Tirana, Albania**

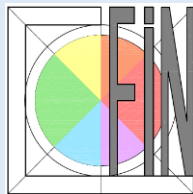


### **Local Organizing Committee:**

- Assoc. Prof. Oltion Marko (Chair of the Committee)
- Dr. Konalsi Gjoka (Co-chair of the Committee)
- Assoc. Prof. Neritan Shkodrani (Member of the Committee)
- Assoc. Prof. Elfrida Shehu (Member of the Committee)
- Dr. Dritan Profka (Member of the Committee)
- Dr. Alfred Lako (Member of the Committee)

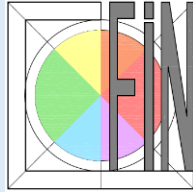
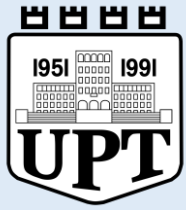
### **International Scientific Committee:**

- Assoc. Prof. Oltion Marko (Faculty of Civil Engineering, Environmental Engineering Department)
- Dr. Konalsi Gjoka (Faculty of Civil Engineering, Environmental Engineering Department)
- Assoc. Prof. Neritan Shkodrani (Faculty of Civil Engineering)
- Assoc. Prof. Elfrida Shehu (Polytechnic University of Tirana)
- Prof. Paul-Louis Meunier (Ecole Spéciale des Travaux Publics du Bâtiment et de l'Industrie, ESTP)
- Assoc. Prof. Aleksandra Anic Vucinic (University of Zagreb, Geotechnical Faculty, Environmental Engineering Department)
- Dr. Patrick de Lange (Saxion University of Applied Science School of Business, Building and Technology, the Netherland)
- Assoc. Prof. Enkelejda Gjinali (Faculty of Civil Engineering, Environmental Engineering Department)
- Dr. Entela Cobani (Faculty of Civil Engineering, Environmental Engineering Department)
- Dr. Alfred Lako (Faculty of Civil Engineering, Environmental Engineering Department)
- Dr. Dritan Profka (Faculty of Civil Engineering, Environmental Engineering Department)
- Dr. Ledia Aleksa (Faculty of Civil Engineering, Environmental Engineering Department)
- Dr. Blerina Beqaj (Faculty of Civil Engineering, Environmental Engineering Department)
- Dr. Joana Gjipalaj (Faculty of Civil Engineering, Environmental Engineering Department)
- Dr. Mirel Mico (Faculty of Civil Engineering, Environmental Engineering Department)
- Prof. Sulejman Xhelepi (Faculty of Civil Engineering, Environmental Engineering Department)

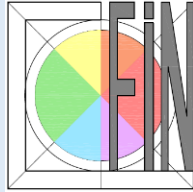
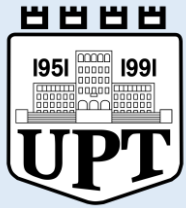


**Program of 2<sup>nd</sup> International Scientific Symposium:  
“Engineering Applications in Solving Environmental Challenges”.**

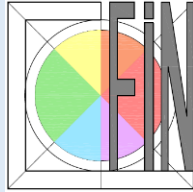
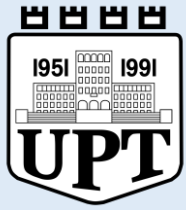
<b>Day 1</b>	<b>12<sup>th</sup> of December</b>	
09:00 - 09:30	Registration of the participants	
<b>09:30 – 10:45</b>	<b>1<sup>st</sup> session: Welcoming Speeches</b>	
	<b>Welcoming Speech from:</b> <ul style="list-style-type: none"> <li>• Rector of Polytechnic University of Tirana</li> <li>• Head of EU Delegation in Tirana</li> <li>• Minister of Tourism and Environment</li> <li>• Dean of Civil Engineering Faculty</li> <li>• Head of Environmental Engineering Department</li> </ul>	<b>Prof. Andrea Maliqari</b> <b>H.E. Mr. Luigi Soreca (invited)</b> <b>H.E. Mr. Blendi Klosi</b> <b>Assoc. Prof. Neritan Shkodrani</b> <b>Assoc. Prof. Oltion Marko</b>
10:45 - 11:15	<b>Business and the role of the university – Future potential mutual collaboration with Environmental Engineering Department</b> <ul style="list-style-type: none"> <li>• Shell’s cleaner energy solutions</li> <li>• ANTEAs efforts in value creation environmental and social performance</li> </ul>	<b>Mr. Rohan D’Souza</b> - Country Manager of Shell Upstream Albania <b>Mr. Mario Bracci</b> General Director of ANTEA Cement
11:15 - 11:30	<b>Coffee break</b>	



<b>11:30 - 13:45</b>	<b>2<sup>nd</sup> session: Open Lectures from International Guest Professors</b>	
11.30 – 12:00	Circular Economy – Case study on packaging and packaging waste	<b>Assoc. Prof. Aleksandra Anic Vucinic</b> – University of Zagreb, Geotechnical Faculty, Environmental Engineering Department, Croatia
12:00 – 12:15	Questions and discussions	
12:15 - 12:45	Probabilistic design of flood defenses	<b>Dr. Patrick de Lange</b> - Saxion University of Applied Science School of Business, Building and Technology, the Netherlands
12:45 – 13:00	Questions and discussions	
13:00 – 13:30	Energy Efficiency and Renewables	<b>Prof. Paul-Louis Meunier</b> – Ecole Spéciale des Travaux Publics du Bâtiment et de l’Industrie, ESTP France
13:30 – 13:45	Questions and discussions	
13.45 – 14.30	<b>Lunch buffet</b>	
<b>14:30 - 15:30</b>	<b>3<sup>rd</sup> Session: Environmental Risk Assessment</b>	
14:30 – 14:40	Presentations: 1. <b>Assoc. Prof. Enkelejda Gjinali, MSc. Arduen Karagjozi, Eng. Bambos Charalambous</b>	Panel members: <ul style="list-style-type: none"> <li>• <b>Dr. Patrick de Lange</b></li> <li>• <b>Assoc. Prof. Enkelejda Gjinali</b></li> <li>• <b>Dr. Entela Cobani</b></li> </ul>



<p>14:40 – 14:50</p> <p>14:50 – 15:00</p> <p>15:00 – 15:10</p> <p>15:10 – 15:20</p> <p>15:20 – 15:30</p> <p>15:30 – 15:40</p>	<p>Intermittent water supply in small system impacts the sewage collection network direct to a treatment plant. Lushnje and Elbasan Case Study</p> <p><b>2. Prof. Arsen Proko</b> Utilisation of bio-ecological and vegetation indicators as sensors on the monitoring of environmental impacts and performance</p> <p><b>3. MSc. Klodian Zaimi</b> Water resources and floods in Vjosa River</p> <p><b>4. MSc. Elona Abazi</b> Applying a 2D model in flood hazard analyses for Shkodra Region</p> <p><b>5. Assoc. Prof. Oltion Marko, Dr. Joana Gjipalaj, Eng. Greta Metani</b> Evaluation of the amount of solid eroded material on the reservoir of Bovilla, using the potential erosion method</p> <p><b>6. Dr. Blerina Beqaj, Dr. Entela Cobani, Eng. Dajana Disha</b> Environmental issues and challenges in Limuthi valley</p> <p><b>7. Dr. Alfred Lako, Eng. Andi Mujollari</b> Membrane bioreactor (MBR) – Case study waste water treatment in cement factory ANTEA Titan</p>	
<p><b>14:30 - 15:30</b></p>	<p><b>4<sup>th</sup> Session: Circular economy and energy efficiency</b></p>	
<p>14:30 – 14:40</p> <p>14:40 – 14:50</p>	<p>Presentations:</p> <p><b>1. MSc. Teida Shehi, Eng. Keida Ymeraj</b> Circular economy: Up cycling plastic – a step toward a greener future</p> <p><b>2. Dr. Konalsi Gjoka, Eng. Lasvega Saliu</b></p>	<p>Panel members:</p> <ul style="list-style-type: none"> <li>• <b>Assoc. Prof. Aleksandra Anic Vucinic</b></li> <li>• <b>Prof. Paul-Louis Meunier</b></li> <li>• <b>Dr. Dritan Profka</b></li> </ul>



14:50 – 15:00	<p>Renewable energy technology SMART paths toward green city concept – Case study in Tirana</p> <p><b>3. Dr. Konalsi Gjoka, Eng. Vjola Avdiu</b></p> <p>Switch on the sun – Case study applying smart renewable energy technology in Tirana International Airport</p>	
15:00 – 15:10	<p><b>4. Dr. Dritan Profka, Eng. Elsuida Hoxha</b></p> <p>Improving energy efficiency by thermal insulation – mortgage initiative</p>	
15:10 – 15:20	<p><b>5. Dr. Ledia Aleks, MSc. Xheni Velcani</b></p> <p>About the possibility of mitigation measures for noise pollution – Case study 21 Dhjetori axis in Tirana</p>	
15:30 - 16:00	<b>Conclusions of first day</b>	
	Dinner	
<b>Day 2</b>	<b>13<sup>th</sup> of December</b>	
07.00 – 9.00	Travel to Vlora	
9:00 – 10:30	Field visit to wastewater treatment plant - Vlora	
10:30 – 12:30	Field visit to the national park of Llogara	
12:30 – 13:00	Closure of symposium and certificate ceremony	
13:00 – 17:00	Free lunch	
17:00 – 19:30	Travel to Tirana	