



University of Zagreb



eseia International Summer School

*Novel Approach to Smart Energy System Integration and Utilisation
of Non-Conventional Biomass*

1 - 12 July 2019
Zagreb, Croatia
University of Zagreb



eseia ISS 2019

Course description

The eseia International Summer School (ISS) 2019 aims to transform creative ideas into innovative solutions in the energy sector. This ISS edition focuses on finding a novel approach to smart energy system integration and utilisation of non-conventional biomass. Students will tackle topics such as the integration of products and processes based on non-conventional bio-resources into buildings and smart cities, identification of optimal bio-fuel integration into sustainable mobility systems, as well as policy and economic instruments for planning and mobilising non-conventional bio-resources.

Top scientists and practitioners from academia and industry will give insights from a socioeconomic, design and technology angle.

Create smart and innovative solutions!

Programme outline

The two-week programme in Zagreb combines lectures, workshops, group tasks and supervised group work with consultations, presentation of ideas with feedback from the lecturers, final presentations, site visits, and networking events. Participants will be expected, among other tasks, to design a project plan for developing a sustainable system for a smart city. They will also prepare a H2020 project proposal on smart energy systems or similar.

Organisation

The ISS 2019 is organised by eseia, the European Sustainable Energy Innovation Alliance, and it is part of the training formats within the eseia Education and Training Programme (www.etp.eseia.eu).

The hosting institution is University of Zagreb, and the responsible person for the ISS 2019 is Prof. Goran Krajačić from the Faculty of Mechanical Engineering and Naval Architecture.

The ISS will train Ph.D., master student or young professionals from the field of energy, process, electrical, environmental engineering or related studies. The ISS is supported by the EC H2020 project Phoenix - People for tHe eurOpean bioENERgy mIX.



The project leading to this application has received funding from the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie grant agreement No 690925

Programme

1st Week 1 - 7 July

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday Excursion + Site visit + Lecture	Sunday Free day						
9.00	Welcome	Lecture 3	Lecture 5 + Workshop	Group work and consultation with lecturers	Supervised group work								
9.45	Introduction of students												
10.30	Coffee Break												
11.00	Host institute presentation + Lecture 1	Lecture 4 + Workshop	Lecture 6	Pitching the ideas and mentors feedback	Supervised group work								
12.30	Lunch												
13.30	Lecture 2	Roundtable - The energy systems of today & tomorrow	Explanation of tasks and group formation	Lecture 7 + Workshop	Supervised group work								
15.00	Coffee Break			Site visit									
15.30	Sightseeing tour in Zagreb	Working on ideas	Garden talks: UNIZAG, eseia experts, industry & business partners										
16.00					Supervised group work								
16.30	Supervised group work												
19.00		Welcome Dinner											

2nd Week 8 - 12 July

9.00	Lecture 9	Lecture 11	Lecture 14 + Workshop	Examination for projects	Final presentations and evaluation with invited guests
10.30	Coffee Break				
11.00	Lecture 10 + Workshop	Lecture 12 + Workshop	Supervised group work	Examination for projects	Lunch
12.30	Lunch				
13.30	Roundtable - Smart energy systems and biomass	Lecture 13 + Workshop	Supervised group work	Group work: preparation of final presentation	Feedback, comments and certificates + Closing speech
14.45					
15.15	Coffee Break				Farewell
16.00	Coffee Break				
16.30	Best practice examples	Garden talks: UNIZAG, eseia experts, industry & business partners	Supervised group work	Group work: preparation of final presentation	

As the capital of Croatia, Zagreb has a lot to offer to its visitors. Nice sights, a large variety of restaurants, cafes and bars, many entertainment and frequent events happening very often, shopping areas... and its very easy to reach from elsewhere in Europe!

Background

eseia is a European non-profit association of leading research and innovation organisations in sustainable energy. Currently, eseia has 33 members from 13 EU countries from research, academia, industry and government. eseia strives to become the premier provider of practice-oriented education and training in renewable energies. The eseia Education and Training Programme (ETP) has been set up in 2013 to create innovative training solutions that will fill the gap in skills development as identified by the EC SET Plan Education and Training Initiative. To date, more than 500 students and young professionals have received training under the eseia Education and Training Programme. The ETP activities included the International Summer Schools (ISS), Interdisciplinary Student Camps and Lab Courses hosted by eseia member organisations from business for post-graduate students, and Inter-regional Training Workshops for professionals.

www.eseia.eu / www.etp.eseia.eu



Practical Information

Who should attend?

The ISS is aimed at international master and Ph.D. students and young post-doc researchers, practitioners and professionals from industry or public sector.

The official language of the course is English.

Application procedure

Applicants are required to send a short motivation letter and their CV in euro pass format to:

Goran.Krajacic@fsb.hr or office@eseia.eu.

Deadline: 28 June 2019

Fee

The ISS fee is 200 € + VAT (25%) covering the course materials, lunches, site visits and excursion. Other costs are in the responsibility of the participants. Accommodation can be provided under request at the student dormitories. Please, contact the organisers for more information on prices and booking.

Boost Your Career!

Academic recognition

The ISS is the equivalent of 3 ECTS, 75 hours sessions, project preparation and follow-up.

Location

The ISS 2019 will be held at two different locations of the UNIZAG campus: Faculty of Mechanical Engineering and Naval Architecture (Ivana Lucica 5) and Faculty of Food Technology and Biotechnology (Pierottijeva 6).

For further information please contact eseia:

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