



Dear Madam/Sir,

After seven successful training modules and outreach activities, the EU Marie Skłodowska-Curie Actions CI-ENERGY Initial Training Network and its partners are pleased to announce the eighth and final outreach event, workshops and conference taking place in

Geneva, Switzerland, 27 and 28 September, 2017

The topic of the conference will be “Application of results to case studies targeting urban energy system optimization, smart city network operation and fault detection, model validation, urban energy strategic planning”.

In a half-day conferences, urban-energy-related topics will be presented by keynote speakers and we will examine the different approaches of urban energy systems at the podium discussion together with stakeholders from research, industry and cities/regions. Additionally, Renewable Energy technologies and related research results will also be presented.

The conference reaches out to all urban energy professionals active in:

- Urban Energy planning
- Urban Building simulation and modelling
- Low carbon refurbishments for existing buildings
- Energy demand and response assessment
- Advanced control techniques
- Urban-level data-driven approaches for prediction of building energy consumption

Come and join us for an unique opportunity to get insights into global energy challenges in cities. Increase your own network by getting in touch with experts in all urban energy related fields.

The CI-ENERGY final reach-out event has three following workshops sessions:

- Urban planning workshop, moderated by: Prof. Dr. Arno Schlüter
- Energy systems Workshop, moderated by: Prof. Dr. Jessen Page
- IT software Tools for design, moderated by: Prof. Dr. Volker Coors

During these 2 days there will be many opportunities for networking and exchange.

The conference language is English. Please view the full conference program below. We would be very happy to see you as a participant in Geneva!

We invite you to spread this information in your networks. For more information and the [online registration](#), please visit our website www.ci-nergy.eu.

With best regards,

A handwritten signature in black ink, appearing to read "Ursula Eicker", written in a cursive style.

Prof. Dr. Ursula Eicker



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Wednesday, 27th September 2017 Opening Conference

Location: International House of Associations, Rue des Savoises 15, 1205

- 08:30 – 09:00 Registration
- 09:00 - 09:20 Welcome speech: Prof. Dr. Ursula Eicker, Stuttgart University of Applied Sciences
Coordinator of CI-ENERGY project
- 09:20 – 09:50 “An integrative view on the energy transition”
Prof. Dr. Claudia R. Binder, Director of the laboratory for Human-Environment
Relations in Urban Systems (HERUS) EPFL
- 09:50 – 10:20 “80 by 50 in New York City: The Role of Combined Heat and Power”
Dr. Bianca Howard,
Lecturer in Urban Energy Modelling at Loughborough University
- 10:20 – 10:50 “Five-year energy monitoring of a low-temperature heating and cooling district
network”
Nadège Vetterli,
Lucerne School of Engineering and Architecture, Head of the Simulation and analysis
of buildings and districts Research Group
- 10:50 – 11:10 Coffee Break
- 11:10 – 12:10 Podium Discussion, Moderated by: Prof. Dr. Ursula Eicker
Participants :
Keynote speakers, M. Rémy Beck (OCEN), Mme Soizic Pierson (OU), M. Marcel Ruegg
(SIG), MM. Hollmuller et Cabrera (UNIGE), Prof. Dr. Francois Marechal (EPFL), Prof.
Dr. Volker Coors (HFT)
- 12:10 – 13:10 Lunch (walk and talk)

Urban Planning Workshop

Wednesday, 27th September 2017

Location: Pôle Energie Bâtiment, Route des Jeunes 5D 1227 Les Acacias GE 1st floor

- 14:00 - 14:20 Introductory presentation of topic (AS): challenges and conflicts
- 14:20 - 14:30 Research meets practice: feedback from practitioners in Geneva
- 14:30 - 15:15 Participative session: uncovering synergies and conflicts
- 15:15 - 15:30 Coffee Break
- 15:30 - 15:45 Introductory presentation of PhDs
Markus Peter (EIFER)
- 15:45 - 16:00 Perspectives from Canton of Geneva
- 16:00 - 16:30 Supporting decisions in early stage urban planning with interactive optimization
Sebastien Cajot, CI-ENERGY PhD student
- 16:30 - 17:00 The optimum is not the goal: Capturing the decision space for the planning of new
neighbourhoods
Nils Schüler, CI-ENERGY PhD student
- 17:00 - 17:45 Panel discussion with supervisors and public.
Participants:
Markus Peter (EIFER), Prof. Jessen Page (HES-SO), Olivier Epelly (OCEN), Prof. Ursula
Eicker, Prof. François Maréchal (EPFL).
- 17:45 - 18:00 Session wrap-up and outlook for next days



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Prof. Ursula Eicker

Energy Systems Workshop

Thursday, 28th September 2017

Location: Pôle Energie Bâtiment, Route des Jeunes 5D 1227 Les Acacias GE 1st floor

- 9:00 - 9:30 Introductory presentation of the topic by Prof Dr. Jessen Page
- 9:30 - 10:00 Simulation of district heating networks and integration of distributed solar thermal injection into network
Pilar Monsalvete, CI-ENERGY PhD student
- 10:00 - 10:30 Potential for advanced control techniques, MPC for space heating for applications
Solene Goy, CI-ENERGY PhD student
- 10:30 - 11:00 Prediction of energy use: regression approach and/or Bayesian approaches to calibrate building energy models
Giovanni Tardioli, CI-ENERGY PhD student
- 11:00 - 11:30 Exergy assessment of urban energy systems: towards 4th generation of district heating/cooling networks
Mario Potente Prieto, CI-ENERGY PhD student
- 11:30 - 11:45 Coffee break
- 12:00 - 13:00 Roundtable with CI-ENERGY PhD supervisors - open to public-

IT software tools for design Workshop

Thursday, 28th September 2017

Location: Pôle Energie Bâtiment, Route des Jeunes 5D 1227 Les Acacias GE 1st floor

- 14:00 - 14:25 Introduction to semantic 3D City modelling, and its emerging role in the field of advanced geospatial applications for “urban planning 2.0”
Prof. Dr. Volker Coors
- 14:25-14:45 CityGML and Energy: some preliminary info about the reasons and main characteristics of the Energy ADE, with a brief overview of existing examples in Europe using it.
Dr. Giorgio Agugiaro
- 14:45 – 15:30 Introduction to CitySim: Importing / Pre-processing the data, Setting the parameters
Running the simulation, Visualising the results
Dr. Jérôme Kaempf
- 15:30 – 15:45 Coffee break
- 15:45 - 16:30 Introduction to Simstadt: Importing / Pre-processing the data, Setting the parameters
Running the simulation, Visualising the results
Dr. Preston Rodrigues
- 16:30 – 16:45 Coffee break
- 16:45 – 17:15 Conclusions of the workshop
Prof. Dr. Volker Coors and Dr. Giorgio Agugiaro
- 17:15 – 18:00 Open discussion, open demo section (All)



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