

TRNSYS EXPERIENCE 2018

APRIL, 19th/20th – BELVAL (LUXEMBOURG)

Conference program

Thursday 19th April

9:30 – 10:00	Participants registration
OPENING SESSION	<i>Welcoming speech</i> Ass.-Prof. Frank Scholzen (University of Luxembourg, Luxembourg)
10:00 – 11:00	Keynote talk Prof. John Grunewald (TU Dresden, Germany)
10:30 – 11:00	Coffee break
SESSION 1	<i>Modelling dynamic facades and complex fenestration systems with TRNSYS 18</i> Abolfazl Ganji, Sabine Hoffmann (TU Kaiserslautern, Germany)
11:30 – 13:00	<i>Case study to be defined: complex fenestration systems or daylight</i> Marion Hiller (TRANSSOLAR, Germany)
13:00 – 14:00	Lunch break
SESSION 2	<i>Numerical modelling of frost growth on air-to-water finned tube heat exchangers</i> Matteo D'Antoni (EURAC, Italy)
14:00 – 15:30	<i>Modeling an ice rink with TRNSYS</i> Camille Bernard (ENGIE Axima, France)
	<i>Performance evaluation of micro-CHP solutions by means of TRNSYS simulations</i> Vincent Cousin (BEMS, University of Liège)
15:30 – 16:00	Coffee Break
SESSION 3	<i>Ice storage / Heat pump systems simulation and cost optimization</i> Christoph Stetter (TRANSSOLAR, Germany)
16:00 – 17:30	<i>Development of Demand Controlled Ventilation strategies through a decentralized mechanical ventilation unit</i> Matteo D'Antoni (EURAC, Italy)
17:30 – 18:30	<i>GUIDED TOUR of blast furnaces and "Cit� des Sciences"</i>
20:00 – 22:00	<i>Seminar dinner at Urban</i>

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Friday 20th April

Coupling of different simulation programs for co-simulation through the Building Control Virtual Test Bed (BCVTB)

Daniel Schmidt, Sabine Hoffmann (TU Kaiserslautern, Germany)

SESSION 4
9h00 – 10h30

Integration of digital mock-up (BIM) in TRNSYS through EVE-BIM

Ewen Raballand (ETAMINE, France) – Paul Sette (CSTB, France)

LEXU II – Low Exergy Wall Tempering for Building Refurbishment

Christoph Schmidt (IZES, Germany)

10:30 – 11:00

Coffee break

Modeling solar shadings within TRNSYS: case study

Camille Bernard (ENGIE Axima, France)

SESSION 5
11:00 – 12:30

Parametric analysis combining TRNSYS and Excel to evaluate flexibility performance indicators

Grégoire Botquin, Pauline Abrahams (BEMS, University of Liège)

12:30 – 12:45

CLOSING SESSION

Organisation committee

Assistant-Prof. Dr.-Ing.

Frank SCHOLZEN

Université du Luxembourg (LUXEMBOURG)

Professor Dr.Ing.

Sabine HOFFMANN

University of Kaiserslautern (GERMANY)

Professor Dr.Ing.

Philippe ANDRE

Université de Liège (BELGIUM)

Professor Dr.Ing.

Riad BENELMIR

Université de Lorraine (FRANCE)

Dr.Ing.

Julien CARTON

ICSEED - Research and Consultancy (FRANCE)



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