

MOTOR SUMMIT 2018

International

Market transformation for energy efficient electric motor systems

Electric motors and motor systems in industrial and infrastructure applications - together with pumps, fans and compressors in buildings - are responsible for 53% of the world's total electricity consumption. New and already existing technologies offer potential to reduce the energy demand of motor systems across the global economy by 20 to 30% with short payback periods, if market barriers can be overcome.

Impact Energy is pleased to announce the Motor Summit 2018 International, in the framework of the Swiss program Topmotors supported by SwissEnergy (main sponsor). Key partners of the Motor Summit are the American Council for an Energy Efficient Economy (ACEEE), the European Council for an Energy Efficient Economy (eceee), and the Electric Motor Systems Annex (EMSA) of the IEA 4E (International Energy Agency's Technology Collaboration Programme Energy Efficient End-use Equipment).

Program overview

Tuesday 13 Nov	Wednesday 14 Nov	Thursday 15 Nov
Workshop	MS'18	MS'18
	am session	am session
	Lunch	Lunch
Round Robin Converters	pm session	pm session
	MS'18 dinner	

Motor Summit 2018

Final

Wednesday 14 November 2018		
Time	Topic	Speaker
Overview Chair: Rita Werle, Impact Energy (Switzerland)		
09:00	Welcome & introduction	Rita Werle, Impact Energy (Switzerland)
09:10	Energy Strategy 2050, electric motor systems	Pascal Previdoli, Deputy Director Swiss Federal Office of Energy (Switzerland)
09:35	Global market overview for motors, pumps, fans, compressors	Preston Reine, IHS Markit (USA)
10:05	CEMEP agenda	Claus Petersen, President CEMEP, Danfoss Drives (Denmark)
10:30	Coffee	
Motor systems policy & standards Chair: Nils Borg, eceee (Sweden)		
11:00	European Ecodesign status report	Ronald Piers de Raveschoot, European Commission (Belgium)
11:30	China: status report	Zhao Yuejin, China National Institute of Standardization (China)
12:00	IEC standards for motor driven units	Conrad U. Brunner, Impact Energy (Switzerland)
12:30	Lunch	
Technology Chair: Tim Schumann, NEMA (USA)		
14:00	Super and ultra premium efficient motors IE4 & IE5	Do-Hyun Kang, Korea Electrotechnology Research Institute (Korea)
14:30	Potentials of advanced permanent magnet motors	John Petro, Motor Generator Technology (USA)
15:00	Technology developments	Anibal de Almeida, University of Coimbra (Portugal)
15:30	Coffee	
Converters & motors Chair: Andrea Vezzini, Bern University of Applied Sciences (Switzerland)		
16:00	Global Round Robin Converters	Sandie B. Nielsen, Danish Technological Institute (Denmark)
16:30	NEMA motor round robin	Pierre Angers, Hydro-Québec (Canada)
17:00	Motor systems today and tomorrow	Rita Werle, Impact Energy (Switzerland)
17:20	Motor Summit Award	Conrad U. Brunner, Impact Energy (Switzerland)
17:30	End	
19:00	MS'18 Gala Dinner	

Thursday 15 November 2018

Time	Topic	Speaker
Introduction Chair: Rita Werle, Impact Energy (Switzerland)		
09:00	Welcome	Rita Werle, Impact Energy (Switzerland)
09:10	The US industry point of view	Kirk Anderson, NEMA (USA)
09:40	Global outlook & EMSA	Maarten van Werkhoven, TPA advisors (Netherlands)
10:10	Compliance check of large fans	Christian Holm Christiansen, Danish Technological Institute (Denmark)
10:30	Coffee	
Motor Driven Units Chair: Maarten van Werkhoven, TPA advisors (Netherlands)		
11:00	Benefits in pump applications by using highly integrated motor drive systems	Boris Janjic, KSB (Germany)
11:30	Efficient fan systems	Armin Hauer, ebm-papst (USA)
12:00	Efficient air compressor systems	Erwin Ruppelt, Kaeser Kompressoren (Germany)
12:30	Lunch	
Future of automation & innovation programs Chair: Ethan Rogers, ACEEE (USA)		
14:00	Industry 4.0: condition monitoring & smart sensors	Norbert Hanigovszki, Danfoss Drives (Denmark)
14:30	Efficient manufacturing with robots	Dominique Lalut, Fanuc Switzerland (Switzerland)
15:00	The role of copper in motor technology to support the energy transition	Fernando Nuño, European Copper Institute (Belgium) Mustafa Salman, United Nations Development Programme (Turkey)
15:30	Coffee	
Motors in electromobility Chair: Andrea Vezzini, Bern University of Applied Sciences (Switzerland)		
16:00	The Influence of Electromobility on the Design of E-Machines	Hartmut Schneeweiss, hofer powertrain berlin GmbH (Germany)
16:30	Motors for electric cars: opportunity for industrial motors?	Martin Doppelbauer, Karlsruhe Institute of Technology (Germany)
17:00	Swiss electric race car	Andreas Horat, Johannes Aicher, Akademischer Motorsportverein Zürich (Switzerland)
17:30	Conclusions & wrap up	Rita Werle, Impact Energy (Switzerland)
17:40	Announcement EEMODS'19	Takeshi Obata, Japan Electrical Manufacturers' Association (Japan)
17:45	Farewell reception	

Date

Workshop Round Robin Converters:
13 November 2018
Motor Summit: 14 to 15 November 2018

Venue

Conference Center Glockenhof
Sihlstrasse 33, CH-8001 Zurich, Switzerland
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Organization

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Program & registration

www.motorsummit.ch

Key partners

4E Electric Motor Systems Annex EMSA
ACEEE
ecee

Sponsors

Swiss Energy (main sponsor)
National Electrical Manufacturers Association
(NEMA)
International Copper Association
European Ventilation Industry Association
(EVIA)

Proceedings

The conference proceedings with short summaries of all speakers will be handed out to the participants at the conference. The presentations and relevant documentation will be available after the conference on www.motorsummit.ch.

Recommended hotels

You may make your reservation directly at one of our recommended hotels.

Hotel Glockenhof, ****, Sihlstrasse 31,
8001 Zürich, +41 (0)44 225 91 91,
info@glockenhof.ch, www.glockenhof.ch

Hotel Seidenhof, ***, Sihlstrasse 9,
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Motel One Zürich, ***, Stockerstrasse 61,
8002 Zürich, +41 (0)44 226 77 00,
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Conference fee

Registration Package	CHF
MS'18 (14- 15 Nov 2018) - participation 14 - 15 Nov - proceedings - lunches, coffee breaks - farewell reception (15 Nov)	Regular: 700 Late: 750*
MS'18 Workshop (13 Nov)	100
MS'18 Gala Dinner (14 Nov)	95
*after 30 September 2018 Members of 4E, ACEEE, CSD ENGINEERS, ecee, EMSA, act, EnaW, Energie Zukunft Schweiz, ProKlima, S.A.F.E, SEMA, swiss- cleantech, swissT.net receive a discount of 100 CHF.	



Schweizerischer Verband der
Elektromaschinenbaufirmen
Union Suisse des entreprises
de construction de machines électriques

