

Timetable

CT: Contributed Talk, IT: Invited Talk.

Thursday, December 12th

8:30–8:55	Registration		
8:55–9:00	Welcome remarks		
9:00–9:50	IT	T. Minea Université Paris-Saclay	Plasma behavior in pulsed magnetrons and new trends for plasma excitation
9:50–10:20	Coffee break		
Session:	Microstructural and textural control		
10:20–11:10	IT	N. Martin FEMTO-ST	Structuring of thin films combining reactive gas pulsing and GLAD
11:10–11:30	CT	J. Müller University of Namur	In silico optimization of reactively sputtered meso-porous titanate-based thin films by genetic algorithm
11:30–11:50	CT	K. Solanki Université de Poitiers	Real-time growth monitoring of ultrathin Ag layers: impact of N ₂ additives and seed layers on morphological evolution
11:50–12:10	CT	T. Suszko Koszalin University of Technology	MeMC/a-C:H type coatings with nanocolumnar, composite structure-synthesis and some properties
12:10–12:40	Presentation of the posters (first group)		
12:40–13:50	Lunch		
13:50–14:20	Presentation of the posters (second group)		
14:20–14:40	CT	S. Frick EMPA	Accelerating oxynitride coating development: Combinatorial investigation on the Al-Si-O-N system
14:40–15:00	CT	F. Farahani Ghent University	Do impurities have an influence on the phase composition of deposited tungsten films?

Session:	Emerging techniques for reactive sputtering		
15:00–15:50	IT	A. Shukurov Charles University	Reactive sputter-driven synthesis of transition metal nanoparticles and nanofluids
15:50–16:20	Coffee break		
16:20–16:40	CT	P. Baroch University of West-Bohemia	High-rate reactively sputtered Cu ₂ O thin films post-treated with high-power infrared laser
16:40–17:00	CT	C. Schiffers CemeCon AG	HiPIMS coatings for sub-micro tools for AI applications
17:00–17:20	CT	P. Vašina Masaryk University	Exploring different models of operation of multipulse HiPIMS
20:00–22:30	Conference dinner		

Session:	Poster presentations I		
12:10–12:15	P	D. Loch Trumpf Hüttinger GmbH	Silicon Dioxide Coatings by Reverse Pulse HiPIMS
12:15–12:20	P	A. Debrabandere Ghent University	Real-time in-situ sheet resistance measurements to study silver thin film nucleation during magnetron sputtering
12:20–12:25	P	F. Lourens Ruhr University Bochum	Exploring Engineered Artificial Minerals for Lithium Recovery from Recycling Slags: Insights from Thin Film Experiments
12:25–12:30	P	J. Müller Fraunhofer Institute for Mechanics of Materials	Reactive Superimposed HiPIMS / RF Deposition
12:30–12:35	P	N. Rodkey Empa	Accurate Reporting of Time-of-Flight Measurements with Gated Mass Spectrometry
12:35–12:40	P	M. Aelbrecht Soleras Advanced Coatings	New thermal spray ceramic NiOx(CrOx) targets for sputtering functional layers in low-E glass coatings

Session:	Poster presentations II		
13:50–13:55	P	P. Marx Ruhr University Bochum	Combinatorial Sputter Synthesis and Characterization of (La-)Co-based Thin-Film Spinel and Perovskite Materials Libraries
13:55–14:00	P	E. Dobruchowska Koszalin University of Technology	NiMo-C coatings synthesised by reactive magnetron sputtering as a catalyst for the hydrogen evolution reaction in an acidic environment
14:05–14:10	P	E. Strods University of Latvia	Optical and photochromic properties of yttrium oxyhydride thin films deposited by reactive magnetron sputtering
, 14:10–14:15	P	A. le Febvrier Luleå University of Technology	Embedding Fe Nanoparticles into CrN Films For enhancing thermoelectric properties
14:15–14:20	P	O. Brune Technical University of Munich	Enhancing Charge Transport in Metal (Oxy-)Nitrides for Efficient Solar Fuel Generation

CT: Contributed Talk, IT: Invited Talk.

Friday, December 13th

Session:	Energy applications and process control		
9:00–9:50	IT	P. Eklund Uppsala University	Thin film ceramics for Energy Applications
9:50–10:10	CT	L.I. Wagner Technical University of Munich	Engineering Ti-doped Ta ₃ N ₅ Photoanodes via Reactive Magnetron Co-Sputtering for Enhanced Solar Fuel Applications
10:10–10:30	CT	T. Kubart Uppsala University	Superconducting NbN thin films deposited by reactive magnetron sputtering
10:30–11:00	Coffee break		
11:00–11:20	CT	L. Maroto-Diaz Gencoa Ltd.	The study of defect reduction in optical coatings produced using reactive process feedback control
11:20–11:40	CT	J. Van Bever Ghent University	How to converge feedback control and measure double hysteresis?
11:40–12:00	CT	K. Choglay Manchester Metropolitan University	Exploring the Link between Plasma Gas Speciation and the properties of TiO _x N _y Thin Films
12:00–13:15	Lunch		
Session:	Smart sensing and complex coatings		
13:15–14:05	IT	F. Vaz University Minho	Specially architected thin films for sensing applications
14:05–15:25	CT	A. Crovetto Technical University of Denmark	Phosphide and phosphosulfide thin films by reactive sputtering
15:25–15:45	CT	P. Kelly Manchester Metropolitan University	Deposition of BiVO ₄ Thin Films by Reactive Magnetron Co-Sputtering for Visible Light Photoelectrochemical Water Splitting
15:45–16:05	CT	D. Depla Ghent University	The future of RSD and reactive sputtering
16:05–16:30	Closing ceremony		