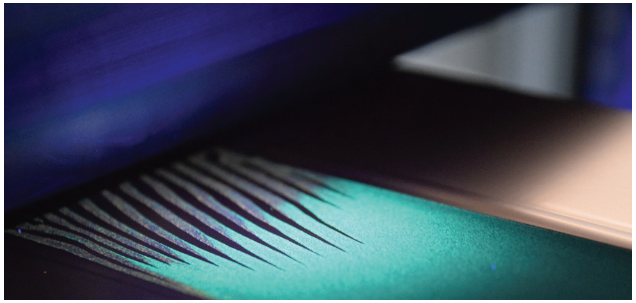
17th Short Course (in person)
Coating and Drying of Thin Films

3(+2)-day short course on fundamentals and applications with practical workshop in the coating and printing lab



June 15-17, 2026

ZEISS Innovation Hub @ KIT
Hermann-von-Helmholtz-Platz 6
76344 Eggenstein-Leopoldshafen

10th Thin Film Technology Forum (virtual)
Advances in Processing of Functional Films, Electrodes for Battery, Fuel Cell & Electrolyzer Applications

2-day virtual forum on June 18-19, where renowned scientists will present and discuss recent research results and new trends in industry and academia

June 18-19, 2026

Virtual Thin Film Technology Forum

Organization Team:

Prof. Dr.-Ing. Dr. h. c. Wilhelm Schabel
Dr.-Ing. Philip Scharfer
with 31 experts from industry and academia

Program Short Course and Forum

43 contributions / 33 speakers

Schedule 15.06.2026 – Short Course Monday

08:30 *Registration and check-in*

09:00 *Welcome and group introduction*
Prof. Dr.-Ing. W. Schabel / Dr.-Ing. P. Scharfer (KIT-TFT)

10:00 *Rheology of coating fluids*
Prof. Dr. Norbert Willenbacher (KIT-MVM)

11:05 *Coffee break*

11:30 *Coating & ink preparation for hydrogen applications*
Dr.-Ing. Benjamin Schmidt-Hansberg (BASF)

12:30 *Lunch break*

13:30 *Coatings from industrial perspective*
Prof. Dr.-Ing. Daniel Eggerath (Jagenberg Converting)

14:45 *Premetered coating methods with highlights of slot and curtain coating - Part I*
Dr. Peter Schweizer (Schweizer Coating Consulting, CH)

15:35 *Coffee break*

16:00 *Premetered coating methods with highlights of slot and curtain coating - Part II*
Dr. Peter Schweizer (Schweizer Coating Consulting, CH)

16:35 *Fluid flow in coating tools*
Prof. Dr. Dr. h. c. mult. Franz Durst (FAU Erlangen, em.)

19:30 ***Social dinner at Enchilada (Waldstraße 63, KA City)***

Schedule 16.06.2026 – Short Course Tuesday

09:00 *Stability of coating flows in two-layer slot dies*
Alexander Hoffmann M. Sc. (KIT-TFT)

09:30 *Fundamentals of (self) metered coatings*
Prof. Dr. Hadj Benkreira (University of Bradford, UK)

10:15 *Gravure and roll coating*
Prof. Dr. Hadj Benkreira (University of Bradford, UK)

10:45 *Coffee break*

11:10 *Fundamentals of film drying technology I + II*
Prof. Dr.-Ing. Wilhelm Schabel (KIT-TFT)

12:40 *About sorption in polymeric and porous coatings*
Philipp Barbig M. Sc. (KIT-TFT)

13:00 *Lunch break*

14:00 *Fundamentals of latex film formation & drying*
Prof. Dr. Alex Routh (University of Cambridge, UK)

15:00 *About drying of colloidal dispersions*
Prof. Dr. Alex Routh (University of Cambridge, UK)

15:30 *Cracking in drying coatings*
Prof. Dr. Mahesh S. Tirumkudulu (IIT Bombay, India)

16:30 *Coffee break*

16:55 *Film drying phenomena and drying studies*
Prof. Dr.-Ing. Wilhelm Schabel (KIT-TFT)

Schedule 17.06.2026 – Short Course Wednesday

08:30 *Industrial perspectives on curtain & slot die coating*
Dipl.-Ing. Harald Döll (TSE, CH)

09:00 *Homogeneous drying with comb nozzles*
Dipl.-Ing. Philipp Cavadini (CN Drying Technology GmbH)

09:25 *Drying of multicomponent mixtures*
Dr.-Ing. Philip Scharfer (KIT-TFT)

09:50 *Coffee break*

10:15 *Simulation and design of industrial thin film dryers*
Dr.-Ing. Philip Scharfer (KIT-TFT)

11:35 *Coating, drying and web handling apps*
Prof. Dr. Steven Abbott (TCNF, UK)

13:00 *Group formation and lunch break*

14:00 *Walking to workshop building 717*

14:30 *Experimental workshop at the TFT coating and printing laboratory*
- Rheology & wetting
- Pilot-scale coating trials
- Heat and mass transfer coefficients
- Experimental drying curves

16:30 *Walking back to Zeiss Hub*

Schedule 18.06.2026 – Virtual TFT Forum Thursday

09:00 *Welcome and introduction to the 9th TFT Forum*
Prof. Dr.-Ing. W. Schabel / Dr.-Ing. P. Scharfer (KIT-TFT)

09:20 *Rheological characterization of Li-ion battery slurries from a coating engineer's perspective*
Prof. Dr. Jaewook Nam (Seoul National University, SNU)

09:55 *A research factory for battery cell production*
Prof. Dr. Jens Tübke (KIT-MVM, Director FFB)

10:30 *Coffee break*

10:55 *Simultaneous double-sided coating of electrodes*
Alexander Hoffmann M. Sc. (KIT-TFT)

11:20 *t.b.d.*
t.b.d.

11:55 *Overcoming performance and production bottlenecks in battery electrodes with multilayer curtain coating*
Dr. Paul Baade (8inks, CH)

12:30 *Lunch break*

13:30 *t.b.d.*
t.b.d.

14:05 *Model-based approach for web handling in battery and fuel cell production: ramp-up acceleration and moisture soft sensor development*
Prof. Dr.-Ing. Jürgen Fleischer (KIT-wbk)

14:40 *Optimizing the efficiency of battery electrode drying*
Jonas Mohacsi M. Sc. (KIT-TFT)

15:05 *Coffee break*

15:30 *Laser- & IR-based drying of battery electrodes*
Julian Borho M. Sc. (KIT-TFT)

15:55 *Drying towards solvent-reduced slurry systems for battery applications*
Kevin Ly M. Sc. (KIT-TFT)

16:25 *About processing and challenges of sulfidic all-solid-state batteries: from coating to drying*
Johannes Dörr M. Sc. (KIT-TFT)

Schedule **19.06.2026** – Virtual TFT Forum Friday

08:30 *From manufacture to series production - Production research for PEM fuel cells*
Prof. Dr. Markus Hölzle (Director ZSW Ulm)

09:05 *Challenges in industrial scale R2R MEA production*
Ulf Groos (Fraunhofer ISE)

09:40 *Functional layers for water electrolysis*
Dr. rer. nat. Fabian Scheepers (FZ-Jülich)

10:15 *Coffee break*

10:40 *Processing of catalyst coated membranes for fuel cell applications*
Linus Janning M. Sc. (KIT-TFT)

11:05 *Advances in drying of catalyst layers for PEM fuel cells and electrolysers*
Alexandra Decker M. Sc. (KIT-TFT)

11:30 *Hierarchical structuring of SIB electrodes*
David Burger M. Sc. (KIT-TFT)

11:55 *Moisture management and post drying during battery electrode production*
Philipp Barbig M. Sc. (KIT-TFT)

12:20 *Drying for electrolyte solvent removal towards safe and efficient battery recycling*
Lukas Lödige M. Sc. (KIT-TFT)

12:45 *TFT Forum closing session*

Registration fees Short Course and TFT Forum

	Early Bird (until 15.03.26)	later
Short Course & TFT Forum*		
General	€ 1950.– + legal tax	€ 2250.– + legal tax

*Only the virtual TFT Forum can be participated for a reduced fee of 200 Euro (early bird 100 €).

Information, Registration and Contact

Organizer:
KIT Campus Transfer GmbH
Haid-und-Neu-Straße 7
76131 Karlsruhe

Registration Short Course and TFT Forum
register@course-forum.de
info@course-forum.de

Note: The Short Course registration includes the registration to the TFT Forum.
Registration online via: http://www.course-forum.de

For academia, students, university participants and TFT partners a contingent for "special reduced fees" for the virtual TFT Forum are as well available. Please contact margit.morvay@kit-ct.de for further details and registration to "TFT Forum" only.

Venue for the Short Course

ZEISS Innovation Hub @ KIT
Hermann-von-Helmholtz-Platz 6
76344 Eggenstein-Leopoldshafen

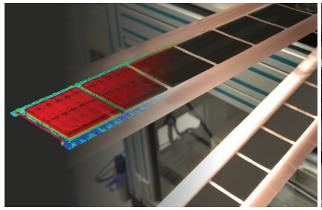
The TFT Forum will take place in a virtual format. After registration, all "login details" of the virtual venue provider for the TFT Forum will be provided via email as soon as available.

Who has been attending last Short Course

Participants from Germany and **more than 12 EU countries, the US, China, Korea, Taiwan, Japan and others (80 % from industry / average value of the last 12 years)**

Further information and registration

http://www.course-forum.de




Feedback on the last Short Courses

- "Excellent introduction in coating and drying of films. Demonstrates the complexity, offers better understanding of processes"
- "Very interesting course, lots of information on all coating application! Building bridge from university to industry"
- "Well built-up structure, wide range of theory and application covered, too short time for discussion/break"
- "High level talks with broad range of topics but with good scientific and practical depth, also on application"
- "Hat extrem viel Spaß gemacht! Herzlichen Dank! Theorie und Praxis waren wunderbar abgedeckt"
- "Ich war sehr angetan von den lebhaft präsentierten und informativen Vorträge!"
- "Sehr viele nutzbare Infos"
- "Great and practical"
- "Very good, excellent speakers and good dinner"
- "Excellent foundation and application"

Feedback workshop

- "Good to see how the theory of the courses works in real life"
- "Experiments were very well prepared and perfectly organized"
- "Interesting, well organized"
- "Good coverage of application of topics covered in course"
- "Interesting material analysis; nice discussions"

Feedback TFT Forum

- "Broad topics --> nice"
- "Good to see more application topics after the short-course"
- "Good content"
- "Very good selection of topics; all very good speakers"
- "The TFT Forum was an excellent overview and provided appropriate depth for the topics covered"
- "Conference content very good, good electronic presentation and definitely worthy of repetition"

For further information please follow us on:
www.course-forum.de and
LinkedIn: https://www.linkedin.com/company/thin-film-technology/