



## PRINTING FUTURE DAYS 2017

04<sup>TH</sup> - 06<sup>TH</sup> OCTOBER 2017

CHEMNITZ, GERMANY

International Scientific Conference on Print and Media Technology for junior scientists and PhD students.

To get an idea about the Printing Future Days conference please take a look at [PFD Statistics](#) and the [PFD History](#).

**FINAL PROGRAM IS NOW ONLINE**

[Download final program\(pdf\)](#)

**SEE YOU IN CHEMNITZ IN 2019**



### Printing Future Days 2017 - Final Day & Awards Ceremony

The first session "Functional Printing III" of the last conference day was opened by Mr. Bernhard Buck from the Heidelberger Druckmaschinen AG, Germany with a keynote talk on "Challenges and solutions for the digital printing on three-dimensional objects".

During this morning session the international presenters covered highly interesting topics, including investigations on inkjet-printed bypass diodes, carbon material for printed super capacitors and Ink-jet printed flexible sensors.

The day continued with diverse high-ranking presentations on "Graphic Printing & Media" and "Smart Textiles & Wearable Electronics", including the presentation of Vahid Akhavan from Novacentrix (Austin, USA) on "Manufacturing of Wearable Printed Electronics".

The grand finale of the 7<sup>th</sup> Printing Future Days conference was the awards ceremony in the afternoon. The Printing Future Days Awards recognizes outstanding progress in research and development of printing and printed electronics.

The Best Poster Award – nominated by all conference attendees – was given to Abdelrahman Alalawe, Technische Universität Chemnitz, for his poster "Manufacturing of all inkjet-printed organic photovoltaics based on conventional architecture and evaluating its suitability for flexible electronics".



Figure 1: Best Poster Award winner Abdelrahman Alalawe, Technische Universität Chemnitz (right).

Reinhard R. Baumann (conference director) and Gorazd Golob (iarigai) especially acknowledged the excellent contributions of undergraduate students. The award for the best paper presentation was given to Evelyn Lorenz, Technische Universität Chemnitz, who gave a talk on "Investigation on inkjet-printed bypass diodes for thin film organic photovoltaic.". By tradition, she was asked to give an invited talk at the next iarigai conference, the 45<sup>th</sup> International Research Conference in Warsaw, September 2018, covering the improvement in her scientific work.



Figure 2: Best paper presentation by Evelyn Lorenz, Technische Universität Chemnitz (right).

Mustafa Bilgin, Bergische Universität Wuppertal, was awarded with the microFLEX-Award for his research on "Intelligent codes by controlled responsiveness to external stimuli.". The prize was awarded and sponsored by the Technische Universität Chemnitz, Fujifilm Dimatix, Novacentrix, 3D Micromac and Fraunhofer Enas.







Figure 3: All award winners and conference representatives, from left to right: Gorazd Golob (representative iarigai and best paper award), Evelyn Lorenz (winner of best paper award), Abdelrahman Alalawe (winner of best poster award), Reinhard R. Baumann (representative TU Chemnitz and best poster award), Vahid Akhavan (representative Novacentrix and MicroFLEX award).

## THE NEXT PRINTING FUTURE DAYS CONFERENCE FOR YOUNG SCIENTISTS WILL BE HELD IN CHEMNITZ IN 2019.

### Printing Future Days 2017 – Second Conference Day

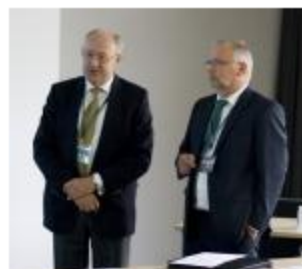
On Thursday, the second conference day, the first session „Applications II” was opened by Prof. Yvonne Joseph from the Technische Universität Bergakademie Freiberg with an impressive overview on “Materials for Printed Chemical Sensors”.

At the end of the morning sessions the Interactive Poster Session was opened, where everyone had the opportunity to exchange ideas and ask questions to the respective authors. The conference attendees have the chance to nominate the best poster for the Printing Future Days Best Poster Award, which will be awarded on the last conference day.



Interactive Poster Session

The day continued with two afternoon sessions, “Roll2Roll” and “Digital Fabrication”. The second session was particularly outstanding due to its interdisciplinary topics on printing and micromanufacturing by the two professorships “Digital Printing and Imaging Technology” and “Micromanufacturing Technology” of the Technische Universität Chemnitz.



Left: Introduction of the Session “Digital Fabrication” by Prof. Baumann and Prof. Schubert. Right: Impression of the conference

To complete this second conference day filled with excellent presentations, and to continue the scientific exchange and networking, the conference dinner was held at the restaurant Espitas in Chemnitz.

### Printing Future Days 2017 – First Conference Day



Today, the 7<sup>th</sup> PRINTING FUTURE DAYS (PFD) conference was officially inaugurated by Prof. Dr. Maximilian Eibl (Vice President for Academic and International Affairs at the Technische Universität Chemnitz, Germany), Prof. Dr. Reinhard R. Baumann (head of the department of Digital Printing and Imaging Technology at the Technische Universität Chemnitz and the department of Functional Printing of Fraunhofer Institute of Electronic Nanosystems ENAS, Germany) and Dr. Gorazd Golob (representative of iarigai and University of Ljubljana, Slovenia).



Figure 1: from left to right: Prof. Dr. Maximilian Eibl, Prof. Dr. Reinhard R. Baumann and Dr. Gorazd Golob

The Printing Future Days conference is the place to be for junior scientists and doctoral students dealing with current and hot research topics concerning printing technology and printed functionality. For the next three days junior scientists from around the world, including Germany, Taiwan, USA, Russia, UK, Spain, Belarus and Serbia gather in Chemnitz to present their research findings and network with major players from the printing and printed electronics industry.

On Monday morning, the official opening ceremony of the Printing Future Days conference was

On Monday morning, the official opening ceremony of the Printing Future Days conference was held in the eniPROD building of the Technische Universität Chemnitz and followed by various presentations on the topics "Functional Printing", "Applications" and "Graphic Printing & Media". Each individual session is either opened or closed with a keynote presentation from established senior scientists or industry representatives, just to mention a few: Andrea Glawe from KROENERT, Christophe Mercier from ARDEJE, Stephanie Scattareggia from Notion Systems and Andreas Willert from Fraunhofer ENAS.

After the sessions the program was followed by the "after business club" event, which included this year guided tours in the Museum of Archaeology and a casual dinner at one of the restaurants in the Chemnitz city center.

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## GET CONNECTED!

Use the Printing Future Days postcard to invite your colleagues.



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## CALL FOR PAPERS - POSTER

**PRINTING  
FUTURE  
DAYS 2017**

October 04 - 06, 2017  
Technische Universität Chemnitz  
Chemnitz, Germany

7<sup>th</sup> International Scientific Conference  
on Print and Media Technology  
for Junior scientists and PhD students

**• Graphic Arts Printing •**  
Progress technologies  
Traditional printing: Relief, gravure, screen  
Digital printing: Inkjet, electrophotography  
Novel printing technologies

**• Applications •**  
Text, figures, images  
Varnishing, Packaging  
Printed electronics  
New media / business concepts

**• Packaging Printing •**  
Packaging design  
Traditional & digital technologies  
Printed smart objects

**• Functional Printing •**  
Adaption for traditional technologies  
Functionality formation  
Process and press engineering  
3D printing

**• Materials •**  
Inks & substrates & interactions  
Functionality formation

Submission Deadline for Abstracts: March 15<sup>th</sup>, 2017  
[www.printingfuturesdays.com](http://www.printingfuturesdays.com)

  
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