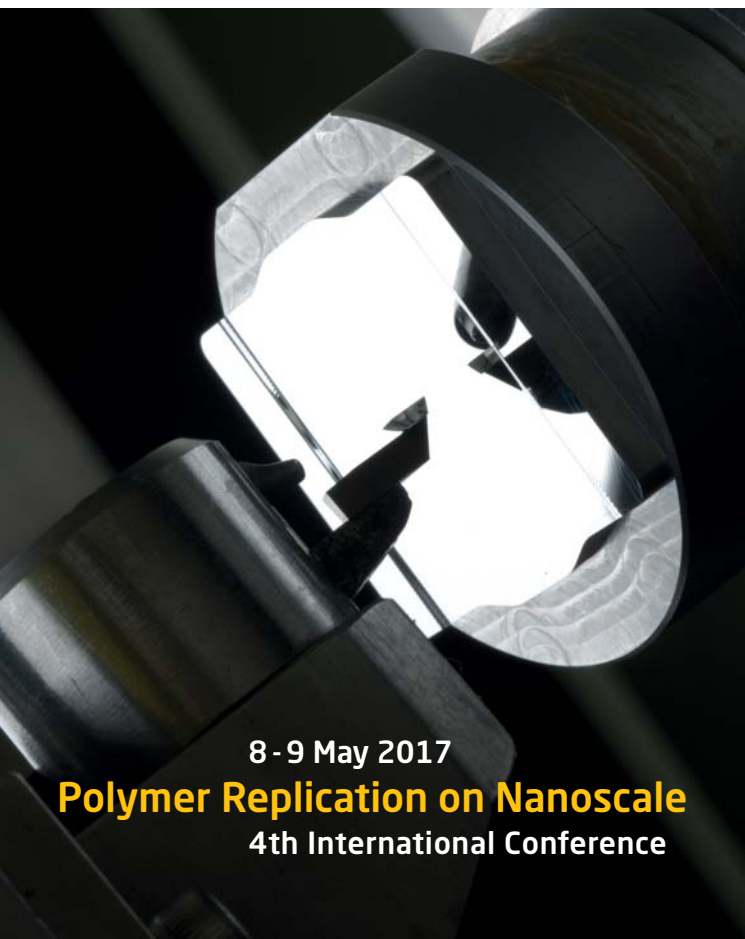


**PRN**  
**2017**

# Polymer Replication on Nanoscale



8 - 9 May 2017

**Polymer Replication on Nanoscale**  
4th International Conference

## SCOPE OF THE CONFERENCE

The conference will address issues in large scale replication of nanostructures in polymeric materials including

- Fabrication of molds or shims for injection molding.
- Injection molding, extrusion or other related methods.
- Polymers suitable for injection molding of nanostructures.
- Applications for functional micro- and nanostructured polymeric surfaces.
- Characterization of injection molded nanostructures.

### The conference is hosted by

The first International Conference on Polymer Replication on Nanoscale (PRN) conference was held in 2014 as part of the Nanoplast project, an advanced technology platform which develops methods for injection molding of plastic parts with functional nanostructured surfaces. This year, the 4th PRN conference will be hosted by the Fraunhofer Institute for Production Technology IPT with support from the Technical University of Denmark (DTU).



[www.prn-conference.com](http://www.prn-conference.com)



### The conference is organized by the Fraunhofer Institute for Production Technology IPT

The aim of the Fraunhofer IPT is to develop new and optimize existing solutions through practice-oriented research and development. The Fraunhofer IPT transfers these R&D results directly into practice in client companies, which come from a wide range of industries, such as the automotive industries and its suppliers, especially tool and die making, as well as fine mechanics and optics industries, aerospace industries, and machine tool manufacturers.

### Organizing Committee

Christoph Baum, Thomas Bastuck, Martin Priwisch, Lisa Behnken and Anna Luthin, Fraunhofer Institute for Production Technology IPT, Germany

### Contact

Fraunhofer Institute for Production Technology IPT  
Lisa Behnken  
Steinbachstr. 17  
52074 Aachen  
Germany

[prn@ipt.fraunhofer.de](mailto:prn@ipt.fraunhofer.de)  
Phone: +49 241 8904329  
Fax: +49 241 8904-6166

### Important dates

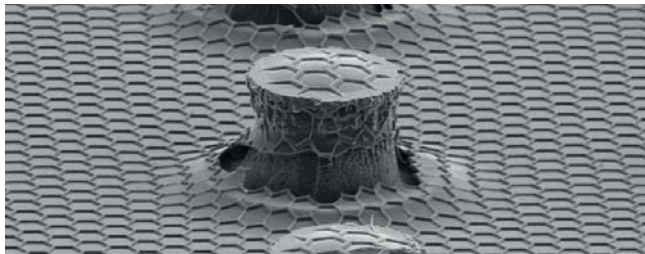
Conference: 8-9 May 2017  
Abstract submission: 1 March 2017  
Notification of acceptance: 1 April 2017



Hydrophobic surfaces (DTU, Demark)



Holographic safety labels (DTU, Demark)



Hierachical nanostructures (ICN2, Spain)



Cell growth enhancing nanostructures (Fraunhofer IPT, Germany)

## Polymer Replication on Nanoscale 4th International Conference

### Venue

Laboratory for Machine Tools and Production Engineering (WZL)  
Manfred-Weck Haus  
Steinbachstrasse 19  
52074 Aachen  
Germany



### 8-9 May 2017

The programme will consist of invited and contributed oral presentations, and a small poster session.

### About polymer replication on nanoscale

The industry prefers methods for low-cost mass production of polymeric parts with a high level of throughput and reproducibility, e.g. injection molding or roll-to-roll processing. However, these methods have not been regarded as scientific tools due to the high-cost master tools. The aim of the conference is to meet the industrial needs to enable functional nanostructured surfaces of commercial injection molds, extruded or roll-to-roll replicated products.

The challenge is to transfer the low-volume/ lab-scale fabrication of micro-and nanostructures, created by state-of-the-art equipment at university level, to industrial injection molding, extrusion and continuous replication processes.

## Registration

Please send your registration to [prn@ipt.fraunhofer.de](mailto:prn@ipt.fraunhofer.de) or via fax to +49 241 8904 -6166.

The registration fee includes access to all sessions during both days of the PRN2017, conference proceedings booklet, lunch, coffee breaks and refreshments as well as the conference dinner.

Early bird registration, before 7.4.2017 300 EUR

Late registration, after 8.4.2017 400 EUR

This includes 360€; and 260€; for the conference (tax-free according to §4 UStG) as well as 40€; (including 19% VAT) for the attendance of the evening event. Please note that the conference attendance can only be booked together with the evening event.

Name\*

First Name\*

Title

Institution/Company\*

Position

Department

Street Address/P.O. Box\*

City/Zip-Code/Country\*

Phone\*

Fax\*

E-Mail\*

Signature

Date

\*Data necessary

I agree that my name and address will be registered in the list of participants. For the purpose of organizing the seminar, name and address will be electronically processed and saved.