CALL FOR PAPERS - TOPICS

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- extrusion
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- sheet metal forming
- powder sintering

Modeling and Design

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- metal matrix composite
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- ceramic
- porous metals and structures
- composite
- powder polymer
- other new materials

Materials and Characterization

Heat Treatment

CONTACT

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Phone: +49 421 21858000
E-mail: info@icnft2018.com

LOCAL ORGANIZING COMMITTEE

S. Friedrich
T. Seefeld
C. Steffens

SPONSORS

The Collaborative Research Center "Micro Cold Forming" (SFB 747) is a basic research project financed by the Deutsche Forschungsgemeinschaft (DFG). It is located at University of Bremen since 2007. Central concern is the provision of methods and processes for a systematic design of reliable micro cold forming processes of metallic micro components smaller than 1 mm in two dimensions, produced with lot sizes greater than one million pieces.

ICNFT September 18-21, 2018
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CALL FOR PAPERS - TIMELINE

Abstract Deadline: Oct 31, 2017
Notification Abstract: Nov 30, 2017
Deadline Full Paper: Feb 01, 2018
Notification Full Paper: Mar 15, 2018
Deadline Full Paper final: May 15, 2018

PUBLICATION

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DETAILED INFORMATION AND REGISTRATION

www.icnft2018.com
WELCOME TO BREMEN

The Free Hanseatic City of Bremen is an international seaport and trading center close to the North Sea and the leading location of industry in the northwest of Germany. Here, a multifaceted science landscape has developed, which is distinguished by the close co-operation between universities and research institutes. Bremen is well known worldwide for the famous Bremen Town Musicians fairy tale. The total population of the city of Bremen is 550,000, making it the tenth largest city in Germany. Bremen's remarkable historic city centre is a world cultural heritage site.

Hotels and tourist information: [www.bremen-tourism.de](http://www.bremen-tourism.de)
Since 2004 the International Conference on New Forming Technology (ICNFT) is an inspiring forum for researchers and professional practitioners to discuss aspects of leading-edge novel forming technologies. The focus of the CIRP sponsored conference is on research, development and applications of new forming technology as well as on latest achievements in forming advanced high-performance materials designed to meet the needs of manufacturing industry in present and future years.

In 2018 special sessions focusing on micro cold forming and dry metal forming are offered. A guided tour to Bremen’s University of Excellence and its Research Institutes and an industrial exhibition are part of the conference.

The ICNFT gives you the opportunity to exchange thoughts and opinions on technological trends and future challenges in the wonderful surrounding of Bremen/Germany.

HISTORY OF ICNFT

2004: Harbin, China
2007: Bremen, Germany
2012: Harbin, China
2015: Glasgow, Scotland, UK
2018: Bremen, Germany
Hotels and tourist information:

Bremen’s remarkable historic city centre is a world cultural heritage site. The total population of the city of Bremen is 550,000, making it the tenth largest city in Germany. Bremen is well known worldwide for the famous Bremen Town Musicians fairy tale. The total multifaceted science landscape has developed, which is distinguished by the close co-operation between universities and research institutes. The innovative research projects sponsored conference is on research, development and applications of new forming technology, advanced high-performance materials designed as well as on latest achievements in forming technology and applications of new forming technology. The focus of the CIRP New Forming Technology (ICNFT) is an inspiring forum for researchers and professionals to discuss aspects of leading-edge trends and future challenges in the wonderful industrial exhibition are part of the conference.

## HIGHLIGHTS

* Offered by Bremer Touristik-Zentrale, separate booking: best paper award*  
* Special sessions*  
* Poster sessions*  
* Parallel oral sessions*  
* Keynotes*  
* Programme Overview*  

### 19 SEPTEMBER
- Eve registration  
- Technical tours*  
- Touristic programme*  

### 20 SEPTEMBER
- Birthday session Prof. Vollertsen (60)  
- Riverboat cruise  
- Lab tour, visit of research institutes  

### 21 SEPTEMBER
- Exhibitor evening  
- Special sessions Micro Cold Forming  
- Special sessions Dry Metal Forming  

**CONFERENCE CHAIRS**

**Chair**
Frank Vollertsen, Germany

**Co-Chair**
Shijian J. Yuan, China

**Co-Chair**
Trevor A. Dean, UK

**Co-Chair**
Yi Qin, UK

**ORGANIZING INSTITUTES**

BIAS - Bremer Institut für angewandte Strahltechnik GmbH, Germany

Harbin Institute of Technology, China

University of Birmingham, UK

University of Strathclyde, UK

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**ORGANIZING INSTITUTES**

- University of Strathclyde, UK
- University of Birmingham, UK
- Harbin Institute of Technology, China
- Strahltechnik GmbH, Germany
- BIAS - Bremer Institut für angewandte Strahltechnik GmbH, Germany
- BIAS - Bremer Institut für angewandte Strahltechnik GmbH, Germany

**CONFERENCE CHAIRS HIGHLIGHTS**

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- Yi Qin, UK
- Frank Vollertsen, Germany

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- T.A. Dean, UK
- J. Lin, UK
- Y. Qin, UK
- F. Vollertsen, Germany

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- A. Schmidt, Germany
- M. Schmidt, Germany
- R. Schmitt, Germany
- V. Schulze, Germany
- T. Shimizu, Japan
- A.E. Tekkaya, Germany
- H. Toenshoff, Germany
- G. Tovar, Germany
- K. Tracht, Germany
- E. Uhlmann, Germany
- F. Vollertsen, Germany
- M. Yang, Japan
- S.J. Yuan, China
- M. Zäh, Germany

**WWW.ICNFT2018.COM**
HIGHLIGHTS

- Prestigious keynote speakers including:
  
  Dorel Banabic  
  Technical University of Cluj-Napoca  
  Romania

  Jian Cao,  
  Northwestern University,  
  USA

  Ming Wang Fu,  
  The Hong Kong Polytechnic University  
  China

  Michael Schmidt,  
  University of Erlangen,  
  Germany

  Erman Tekkaya,  
  University of Dortmund,  
  Germany

  Ming Yang,  
  Tokyo Metropolitan University,  
  Japan

- Leading research on new forming technologies

- **Special session blocks:**
  
  - Micro Cold Forming (incl. Final Colloquium of Collaborative Research Center SFB 747)
  
  - Dry Metal Forming (incl. intermediate Colloquium of Priority Programme SPP 1676)
  
  - Processes and Materials (session dedicated to the 60th birthday of Prof. Vollertsen)

- Excursions to research institutes in Bremen

- Industrial exhibition

WWW.ICNFT2018.COM
Programme Overview

18 SEPTEMBER
- touristic programme*
- technical tours*
- eve registration

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DETAILED INFORMATION AND REGISTRATION

www.icnft2018.com
SPECIAL COLLOQUIA

Micro Cold Forming
Final Colloquium
Sept 20

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Dry Metal Forming
Intermediate Colloquium
Sept 21

Dry Metal Forming is a process where a work piece leaves the forming tool without the necessity of cleaning or drying before subsequent production steps such as coating or joining processes. To contribute to the goal of a lubricant-free press plant, the DFG-funded priority programme „Dry Metal Forming“ focuses on the development of new dry forming processes and the adaption of relevant technologies. It has currently 11 ongoing projects involving a total of 25 participating research institutions from all over Germany.
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VENUE

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