

# 12th International Conference on Shot Peening Goslar, Germany September 15-18, 2014



## ICSP-12

The Twelfth International Conference on Shot Peening, hosted by Clausthal University of Technology, will be held September 15-18, 2014, in Goslar, Germany. The International Conference on Shot Peening is the triennial conference of the International Scientific Committee for Shot Peening (ISCSP).

## Scope

Related mechanical surface treatments - such as deep rolling, laser peening, ultrasonic peening, combined processes and other cold work processes inducing compressive surface residual stresses - are within the scope of the conference, especially when compared to shot peening. Shot Peening and related mechanical surface treatments have proved to be powerful instruments in enhancing the resistance of components to various kinds of stress-induced damage, particularly with respect to fatigue and corrosion damage. The service lives of a wide variety of structural components, irrespective of shape and dimensions, can be improved dramatically by shot peening. The commercial benefits of applying mechanical surface treatments are increasingly recognised, especially in the automotive and aerospace industries.

ICSP-12 will be an important international meeting for discussing the science, technology and applications of mechanical surface treatments. It will offer a unique forum, enabling scientists and engineers to deepen and update their knowledge of all aspects of mechanical surface treatments. ICSP-12 will cover a range of surface treatment topics based on: technological aspects, process procedures, changes in the surface state, process simulation, service properties and fields of application.

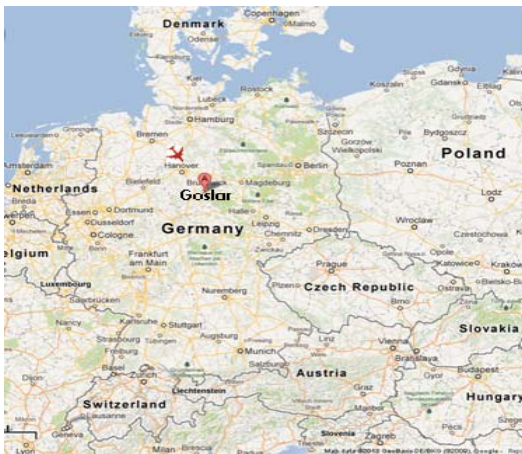
The study of shot peening's benefits and uses are crucial as the need grows for stronger and lighter metal components in transportation, medical and many other applications.

## Exhibition

An exhibition of products and services related to the topics of the conference will be held in conjunction with the conference. Tentatively is scheduled to be open three days, from Monday through Wednesday.

## Conference Chairperson

Prof. Lothar Wagner  
Clausthal University of Technology, Germany  
Email: [cmc.wsw@gmx.net](mailto:cmc.wsw@gmx.net)



Goslar is located 100 kilometers southeast of the Hanover airport.



The Achtermann Hotel and Conference Center is located in Goslar's historic Old Town.

## Topics

- Mechanical Surface Technologies
- Modeling
- Industrial Applications
- Residual Stress Measurements
- Process Parameters
- Fatigue Performance
- Corrosion Performance
- Case Studies
- Others

## Call For Papers

You are invited to submit a paper to the Twelfth International Conference on Shot Peening (ICSP-12)

### Submission of Abstracts

Abstracts should be sent to [cmc.wsw@gmx.net](mailto:cmc.wsw@gmx.net)

The deadline for the submission of paper abstracts and posters is **January 31, 2014**. The abstract should not exceed one page. Please use standard symbols and abbreviations. Submissions will be judged by the Local Organizing Committee on originality, significance, interest, clarity, relevance and correctness.

### Papers

Deadline for submission of papers is **May 1, 2014**

### ICSP-12 Organizing Committee

- Prof. Lothar Wagner, Chairperson
- Dr. Igor Altenberger
- Dr. Bernd Eigenmann
- Prof. Gerhard Hirt
- Mr. Armin Kiefer
- Dr. Mansour Mhaede
- Prof. Eckehard Müller
- Mr. Holger Polanetzki
- Dr. Karsten Röttger
- Dr. Yuji Sano
- Prof. Volker Schulze
- Dr. Manfred Wollmann
- Dr. Wolfgang Zinn
- Mr. Jürgen Kritzler

### International Scientific Committee

- Dr. John Cammett, Consultant, Materials and Surface Integrity, USA
- Jack Champaigne, President, Electronics Inc., USA
- Dr. Seong Kyun Cheong, Seoul National University of Technology, Korea
- Hali Diep, The Boeing Company, USA
- Dr. Bernd Eigenmann, X-Ray Laboratory Eigenmann, Germany
- Prof. David Kirk, Coventry University, UK
- Andrew Levers, Airbus Operations Ltd, UK
- Prof. Eckehard Müller, FH Bochum, Germany
- Dr. Abbas Niku-Lari, IITT-International, France
- Paul Prevey, Lambda Technologies, USA
- Prof. Berthold Scholtes, Universität Kassel, Germany
- Prof. Volker Schulze, Universität Karlsruhe (TH), Germany
- Prof. Katsuji Tosha, Meiji University, Japan
- Dr. Akira Tange, NHK Spring Co.,Ltd. , Japan
- Hitoshi Takeda, SINTOKOGIO Ltd., Japan
- Dr. Marsha Tufft, GE Transportation - Aircraft Engines, USA
- Prof. Lothar Wagner, Clausthal University of Technology, Germany
- Dr. Yoshihiro Watanabe, Toyo Seiko Co., Ltd., Japan
- Prof. Helmut Wohlfahrt, Technische Universität Braunschweig, Germany
- Dr. Kewei Xu, Xian Municipal Bureau of Science and Technology, China
- Prof. Mamidala Ramulu, University of Washington, USA
- Holger Polanetzki, MTU Aero Engines AG, Germany
- Prof. Michael R. Hill, University of California, Davis

## Program Schedule

<b>Monday, Sept. 15</b>	
	Registration
	Goslar Old City Tour (2 hours)
	Welcome Reception
<b>Tuesday, Sept. 16</b>	
	Sessions (parallel)
	Optional: "WORLD CULTURAL HERITAGE RAMMELSBERG Fascination above and underground"
	ISCSP meeting
<b>Wednesday, Sept. 17</b>	
	Sessions (parallel)
	Visit IWW/CZM at TU Clausthal
	Banquet
<b>Thursday, Sept. 18</b>	
	Sessions (parallel)
	Closing Ceremony
	Train Ride by Steam Locomotive through the Harz (3 hours)

## Fee Schedule

### Presenter | Attendee: 780 €

Fee includes admittance to Presentation of Papers, lunches, break refreshments, banquet, Abstracts, and Final Proceedings (mailed after conference).

### Guest: 300 €

Fee includes lunches, break refreshments and banquet.

### Student: 300 €

College or university students with proper credentials. Fee includes admittance to Presentation of Papers, lunches, break refreshments, banquet, and Abstracts (does not include Final Proceedings).

### Cancellation Policy

A 75% refund can be made up to August 31, 2014. No refunds after this date.

## Exhibition

Booth Registration Dates	Booth fee
Before May 12, 2014	€2,000
May 12, 2014 - July 11, 2014	€2,500
After July 11, 2014	€3,000

## Why Goslar?

Since 1992, the mine and the Old Town of Goslar have been entered on the UNESCO World Cultural and Natural Heritage List for all Mankind. Goslar is a very beautiful city with impressive historical attractions. The former Free Imperial City of Goslar has an over-1000-year history. Probably, the discovery of silver and copper ore deposits induced the Saxon and Salic emperors to establish their largest and most secure palatinate here in the 11th century. For centuries, Goslar was the favored seat of government in northern Germany and at the same time a center of Christianity. Actually, Goslar was referred to as the "Rome of the North".

## Transportation

From Hanover International Airport it is 1 hour to Goslar by train or shuttle service.

International roundtrip airfare sampling (May/2013)

- From Tokyo, Japan: 1160 €
- From Beijing, China: 1022 €
- From London, UK: 200 €
- From New York, USA: 800 €
- From Paris, France: 180 €