



2ND INTERNATIONAL CONFERENCE ON HIPIMS

Second International Conference on Fundamentals  
and Industrial Applications of HIPIMS

## Conference Announcement and Call for Papers

28<sup>th</sup> – 29<sup>th</sup> June 2011  
Braunschweig, Germany

Venue: Civic Centre »Stadthalle Braunschweig«

Organisation

Network of Competence

 INPLAS

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 Sheffield  
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## Invitation to participate

Following the success of the First International Conference at Sheffield Hallam University in summer 2010, organisation of the Second International Conference on HIPIMS has begun. Goals of the conference are:

- to promote the High Power Impulse Magnetron Sputtering (HIPIMS) as a novel technology for surface modification and coating deposition,
- to provide a scientific forum for discussion of the fundamentals of plasma science and exchange new ideas of applications of HIPIMS in industry,
- to bridge the academic research community with the industrial community to foster progress of plasma based technology.

Braunschweig currently is rated as the no. 1 region across Europe in research and innovation potential. Bringing together multiple research facilities like the Technical University of

Braunschweig, Helmholtz Centres and Fraunhofer Institutes, the city is also »the measure of things« – literally: Braunschweig is home to the Physikalisch-Technische Bundesanstalt where atomic time and other units are determined and provided. In HIPIMS technologies Fraunhofer IST is leading the way as it brings together multiple approaches for many applications and therefore is said to be the most versatile facility in this field.





2ND INTERNATIONAL CONFERENCE ON HIPIMS



**Dr. Ralf Bandorf**, Conference Chairman  
Fraunhofer Institute for Surface Engineering  
and Thin Films, Braunschweig, DE



**Dr. Arutjun P. Ehasarian**, Co-Chairman  
Sheffield Hallam University,  
Sheffield, UK

## Organisers

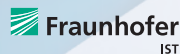
Network of Competence INPLAS



Sheffield Hallam University



Fraunhofer Institute for  
Surface Engineering and Thin Films



## Promoted and Approved by



European Joint Committee on  
Plasma and Ion Surface Engineering



## Tutorial Courses Provided by

the Society of Vacuum Coaters.



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## Conference Committees

### INTERNATIONAL ORGANISING COMMITTEE

**Prof. P. Hovsepian** Sheffield Hallam University, Sheffield, UK

**Dr. Th. Krug** Hauzer Techno Coating, Venlo, NL

**Dr. G. van der Kolk** IonBond, Venlo, NL

**Dr. R. Bugyi** Huettinger Electronic Sp. z o.o.,  
Warsaw, PL

**Prof. G. Bräuer** Fraunhofer Institute for Surface Engineering  
and Thin Films, Braunschweig, DE





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### INTERNATIONAL SCIENTIFIC COMMITTEE

<b>Dr. A. Anders</b>	Lawrence Berkeley National Laboratory, Berkeley, USA	<b>Prof. U. Helmerson</b>	Linköping University, Linköping, SE
<b>Dr. R. Bandorf</b>	Fraunhofer Institute for Surface Engineering and Thin Films, Braunschweig, DE	<b>Prof. P. Hovsepian</b>	Sheffield Hallam University, Sheffield, UK
<b>Prof. P. Barna</b>	Hungarian Academy of Sciences, Budapest, HU	<b>Prof. P. Awakowicz</b>	Ruhr-Universität Bochum
<b>Prof. G. Bräuer</b>	Fraunhofer Institute for Surface Engineering and Thin Films, Braunschweig, DE	<b>Prof. I. Petrov</b>	University of Illinois at Urbana-Champaign, Illinois, USA
<b>Dr. A. P. Ehasarian</b>	Sheffield Hallam University, Sheffield, UK	<b>Prof. M. Rainforth</b>	University of Sheffield, Sheffield, UK
<b>Prof. J. Greene</b>	University of Illinois at Urbana-Champaign, Illinois, USA	<b>Prof. J. Vlcek</b>	University of West Bohemia, Plzen, CZ
		<b>Prof. M. Wuttig</b>	RWTH Aachen, Aachen, DE
		<b>Prof. K. Yukimura</b>	Doshisha University, Kyoto, JP





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## Conference-supporting Organisations

Huettinger Electronic Sp. z o. o. (PL)

IonBond Europe (NL) | Hauzer Techno Coating (NL)



ionbond



+ Your Company

If you want to join the group of sponsors, please register until

**15<sup>th</sup> December 2010.**

For further information please visit [www.inplas.de/hipims](http://www.inplas.de/hipims) or  
contact [gerrit.von.borries@inplas.de](mailto:gerrit.von.borries@inplas.de).

## Topics of HIPIMS 2011

HIPIMS 2011 will provide a forum for presenting current research and for the exchange of ideas and information between researchers, scientists, and engineers from industry, research laboratories, and academia. Contributions will cover fundamental scientific aspects as well as application oriented research and development. In addition, successful implementations of new products using HIPIMS will be addressed.

Special emphasis will be given to a wide range of material and process aspects and HIPIMS 2011 will focus on the following topics:

- Generation of HIPIMS plasmas
- Characterisation of Plasma and Coatings
- Reactive and non-reactive HIPIMS processes
- Simulation of HIPIMS processes
- HIPIMS systems and hardware





## Call for Papers

As a truly international conference, HIPIMS 2011 will present the most recent results of scientific research as well as new applications in the field of HIPIMS technology. If you wish to present your latest research results or if you have developed a new application, your contribution will be highly welcome. We encourage you to submit your abstract to the following e-mail address:

[hipims2011@inplas.de](mailto:hipims2011@inplas.de)

Abstracts (max. 1 page incl. illustration) should be written in English and should include name, address, telephone and fax numbers, as well as e-mail address of the contact author.

The scientific committee will review all incoming contributions. Depending on the topic of your paper, the committee will decide whether your paper should be presented orally or as a poster. Accepted papers will be published in the conference proceedings.

### Call for Papers – Deadlines

Submission of 1 page abstract:	<b>15<sup>th</sup> February 2011</b>
Acceptance notification of authors:	<b>16<sup>th</sup> March 2011</b>
Deadline for 4 page proceedings manuscript:	<b>30<sup>th</sup> May 2011</b>

### CONTACT (SUBMISSION OF ABSTRACT)

**Dr. Arutiun P. Ehasarian | Sheffield Hallam University**

Phone: +44 144 225 3500                      City Campus  
Fax: +44 144 225 3501                      Howard Street  
hipims2011@inplas.de                      Sheffield S1 1WB, UK

### Participation

#### CONFERENCE FEES

Industry    **€ 475**  
Academia   **€ 375**  
Students    **€ 150\***

The conference fee includes all technical sessions, abstract booklet and conference proceedings, lunches and coffee breaks as well as the official conference dinner.

\* Graduate students and early stage researchers can apply for funding from COST (European Cooperation in Science and Technology). The funding covers the Conference Fee (including: proceedings, lunches, dinner etc.). Applications have to be provided along with the abstract submission. The number of places is limited.

### REGISTRATION VIA INTERNET

Updates & information:

[www.inplas.de/hipims](http://www.inplas.de/hipims)





2ND INTERNATIONAL CONFERENCE ON HIPIMS



### SVC TUTORIAL COURSES

The Society of Vacuum Coaters is presenting two seven-hour tutorial courses preceding the conference. Take advantage of learning from these outstanding, internationally recognized instructors and getting answers to your practical vacuum coating problems.

#### Sunday, June 26

**SVC C-323:** High Power Impulse Magnetron Sputtering

**Dr. Arutiun P. Ehasarian**

Sheffield Hallam University, Sheffield, UK

and **Dr. Andre Anders**

Lawrence Berkeley National Laboratory,  
Berkeley, CA, USA

#### Monday, June 27

**SVC C-317:** The Practice of Reactive Sputtering

**Dr. Bill Sproul**

Reactive Sputtering, Inc, San Marcos, CA, USA

### FEES

Tutorial Course Fee: **285 €**

Discounts: Full-time Students **85 €**  
Register for both Tutorials and receive  
a **10 % discount** on both Tutorials

The tutorial course fee includes printed notes. The tutorial schedule is 8:30 a.m. – 4:30 p.m. To view the topical outline, description and detailed syllabus for these tutorial courses, visit the SVC Web Site at

[www.svc.org/education/svc-education-program.cfm](http://www.svc.org/education/svc-education-program.cfm)

Register for these tutorial courses when registering for the conference.

### CONTACT (FOR TUTORIAL COURSE INFORMATION)

Ms. Vivienne Harwood Mattox Phone: +1 505 856-7188  
SVC Executive Director Fax: +1 505 856-6716  
Society of Vacuum Coaters svcinfo@svc.org  
71 Pinon Hill Place NE | Albuquerque, NM 87122 USA



### EXHIBITION

For an optimum presentation of your company or institution, make use of the exhibition held in parallel with the conference. Take the opportunity to position your products and services purposefully and branch specifically. Take the advantage and make valuable contacts. During the conference you get to meet the key players of the industry – with pinpoint accuracy, concisely and with a minimum of organizational expenditure. We are looking forward to welcome you there.

### SPONSORSHIP OPPORTUNITIES

As a sponsor, you position your company or institution with a clearly perceptible presence within a select circle of participants. During the event we offer various possibilities to position your company during the conference and to connect with potential customers. Take advantage of sponsoring HIPIMS 2011 to position your company within an existing target group, and to increase your profile in a new industry. For further information

on the sponsorship please visit [www.inplas.de/en/downloads](http://www.inplas.de/en/downloads). There you can find our sponsoring and exhibition offer.

### CONTACT (EXHIBITION AND SPONSORING)

**Dr.-Ing. Gerrit von Borries** Network of Competence INPLAS  
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Fax: +49 531 2155-900 38108 Braunschweig, DE  
[gerrit.von.borries@inplas.de](mailto:gerrit.von.borries@inplas.de) [www.inplas.de/hipims](http://www.inplas.de/hipims)



## Experience Braunschweig

With about 245,000 inhabitants, Braunschweig is one of the main cities in Lower Saxony. Founded in 1031, the city of Henry the Lion features a number of great sightseeing, and the Technical University of Braunschweig stands out as one of the most progressive and innovative universities in Germany.





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**We're looking forward to welcome  
you in Braunschweig!**

**28<sup>th</sup> – 29<sup>th</sup> June 2011**

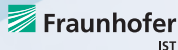
**Braunschweig, Germany**

Venue: Civic Centre »Stadthalle Braunschweig«

Organisation

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