




16th International Conference on HIPIMS

Sixteenth International Conference on
Fundamentals and Industrial Applications of HIPIMS
15 - 18 June 2026, Sheffield, UK
Venue: Cutlers' Hall

Conference Announcement and Call for Papers

Organisers

**Sheffield
Hallam
University**
Knowledge Applied

 National HIPIMS
Technology Centre UK

 **Fraunhofer**
IST

I.M3  Approved
for CPD
2026

HENRY
ROYCE
INSTITUTE

CATAPULT
High Value Manufacturing

I.M3

Collaborating
Journal

Main Sponsor Sponsors

 Network of Competence
INPLAS

SEA
SURFACE ENGINEERING ASSOCIATION

SELF
Surface Engineering
Leadership Forum

 **coatings**
an Open Access Journal by MDPI

SVC
SOCIETY OF
VACUUM
COATERS

HAUZER
ionbond
THE SURFACE ENGINEERS™

TRUMPF
TRUMPF Hüttinger
generating confidence

GEMCON
The Tool Coating

Invitation to participate

Following a consecutive number of successful years, the Joint Sheffield Hallam University - Fraunhofer IST HIPIMS Research Centre is pleased to invite you to the sixteenth edition of the International Conference on HIPIMS. The traditional scope of High Power Impulse Magnetron Sputtering plasma and coating technology is now expanded to include a broad range of technologies for plasma coating, plasma surface treatments and non-plasma advanced surface engineering.

The conference aspires to:

- promote High Power Impulse Magnetron Sputtering (HIPIMS) as a novel manufacturing technology for surface modification and coating deposition
- provide a scientific forum to discuss the fundamentals of plasma science and thin film growth
- exchange ideas about new industrial applications of HIPIMS
- bring together the academic research community and the industrial world to nourish and support the progress of plasma-based technologies.

Sheffield is one of the largest cities in UK and, as the birthplace of stainless steel, has a long history of innovation in materials science and industry. Sheffield Hallam University leads the way in both scientific understanding and industrial application of HIPIMS across a range of fields and is said to be the most extensive facility in this field.

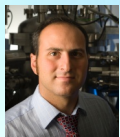
The University has provided a home for Industrial HIPIMS for many years and hosted the National HIPIMS Technology Centre in the UK since 2014. We are strengthened by our collaboration in the Joint Sheffield Hallam University - Fraunhofer IST HIPIMS Research Centre - the first of its kind in UK. We strive to contribute to society through our partnerships with the High Value Manufacturing Catapult - one of the largest catalysts for future growth and success of manufacturing in the UK, and have the support of the Henry Royce Institute, the Surface Engineering Association and the Institute of Materials, Minerals and Mining on the organising committee to further strengthen the impact of HIPIMS for both Industry and Academia.



The Coat of Arms of the Company of Cutlers



16th International Conference on HIPIMS



Prof. Arutun P. Ehasarian, Conference Chairman
Sheffield Hallam University,
Sheffield, UK



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

Organisers



National HIPIMS
Technology Centre UK



Tutorial Courses Provided by
Society of Vacuum Coaters

Promoted and Approved by
European Joint Committee on
Plasma and Ion Surface Engineering
The British Vacuum Council



Conference Committees

International Organising Committee

Prof. G. Bräuer Fraunhofer IST, Braunschweig, DE
Dr. D. Doerwald Hauzer TechnoCoating, Venlo, NL
Prof. C. Herrmann Fraunhofer IST, Braunschweig, DE
Prof. A. P. Ehasarian Sheffield Hallam University, Sheffield, UK
Dr. J. Landsbergen IHI Ionbond AG, Venlo, NL
Dr. P. Ozimek Trumpf Hüttinger Electronic Sp. z o.o., Warsaw, PL

International Scientific Committee

Prof. P. Awakowicz Ruhr-Universität Bochum, DE
Dr. R. Bandorf Fraunhofer IST, Braunschweig, DE
Prof. H. Kersten, Kiel University, DE
Prof. James Bradley, University of Liverpool, UK
Prof. G. Bräuer Fraunhofer IST, Braunschweig, DE
Prof. A. P. Ehasarian Sheffield Hallam University, Sheffield, UK
Mr. D. Elliot Surface Engineering Association, Birmingham, UK
Dr. T. Hurkmans IHI Ionbond AG, Venlo, NL
Mr. P. Kaestner, TU Braunschweig, DE
Prof. J. Schneider RWTH, Aachen, DE
Prof. S. Turner High Value Manufacturing Catapult, Solihull, UK
Prof. J. Vlcek University of West Bohemia, Plzen, CZ



Topics of HIPIMS 2026

HIPIMS 2026 will provide a forum for presenting the latest research by scientists and engineers from industry, engineering institutes and academia. Contributions will cover fundamental scientific aspects as well as application-oriented research and development. In addition, successful introduction to market of new products utilising HIPIMS will be addressed.

HIPIMS 2026 will focus on the following topics:

- Generation of HIPIMS and highly ionised plasmas
- Plasma diagnostics and discharge physics
- Coating characterisation and performance
- Reactive and non-reactive HIPIMS processes
- Simulation of HIPIMS processes
- HIPIMS systems and hardware
- Conventional advanced surface engineering

Quo Vadis Surface Engineering

David Elliot, CEO of the Surface Engineering Association, will be chairing our panel of experts discussion on the topic: "Opportunities in Advanced Manufacturing".

Call for Papers

As a truly international conference, HIPIMS 2026 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 you have developed a new application, your contribution will be very welcome. We encourage you to submit your abstract to:

hipims@shu.ac.uk

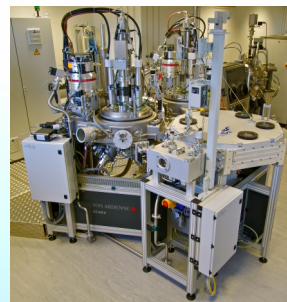
Abstracts (max. 1 page incl. illustration) should be written in English and should include name, address and e-mail of the contact author.

Submission of one page abstract: **3 March 2026**

Acceptance notification: **26 March 2026**

Prof. Papken Eh. Hovsepian Young Scientist Award

Manuscript Submission: **3 June 2026**





SVC Tutorial Courses

The Society of Vacuum Coaters is endorsing three of its tutorial courses. Take advantage of learning from these outstanding, internationally recognized instructors and getting answers to your practical vacuum coating problems.

Monday, 15 June - full day

SVC C-323: High Power Impulse Magnetron Sputtering

Prof. Arutiun P. Ehasarian

Sheffield Hallam University, Sheffield, UK

Tuesday, 16 June - half day, morning

SVC C-338: Application of Reactive Sputtering

Dr. Ralf Bandorf

Fraunhofer IST, Braunschweig, Germany

Mr. Holger Gerdes

Fraunhofer IST, Braunschweig, Germany

Tuesday, 16 June - half day, afternoon

SVC C-333: Practice and Applications of HIPIMS

Dr. Ralf Bandorf

Fraunhofer IST, Braunschweig, Germany

Prof. Arutiun P. Ehasarian

Sheffield Hallam University, Sheffield, UK

Tutorial Course Fee:

Full rate:	C-323:	GBP 400
	C-333 and C-338:	GBP 200
Full-time Students	C-323:	GBP 150
	C-333 and C-338:	GBP 90

Register for two or more tutorials and receive a **10% total discount**

The tutorial course fee includes printed notes.

The tutorial schedule is:

C - 323: 8:30am - 4:30pm,

C - 338: 8:30am - 12:00pm and

C - 333: 1:00pm - 4:30pm.

To view the topical outline, description and detailed syllabus for these tutorial courses, visit the SVC Web Site at

<https://www.svc.org/tutorials/>

Register for these tutorial courses when registering for the conference.

Contact (for tutorial course information)

Mr. Frank Zimone Tel.: +1 505 897-7743

SVC Executive Director

Society of Vacuum Coaters svcinfo@svc.org

P.O. Box 10628 | Albuquerque, NM 87184 USA



Conference Fees

Industry	GBP 500	The conference fee includes all technical sessions, book of abstracts, lunches, coffee breaks and the official conference dinner.
Academia	GBP 400	
Students	GBP 150	
Exhibition Space Charge	GBP 250	

Contact (submission of Abstract)

Prof. Arutiun P. Ehasarian | Sheffield Hallam University

Phone: +44 114 225 3646

City Campus

Howard Street

Sheffield, S1 1WB, UK

hipims@shu.ac.uk

Contact (Exhibition and Sponsoring)

Prof. Arutiun P. Ehasarian | Sheffield Hallam University

Phone: +44 114 225 3646

City Campus

Howard Street

Sheffield, S1 1WB, UK

hipims@shu.ac.uk

Exhibition

Company participation has always been at the heart of this event. The exhibits are held in parallel to the technical program and are in the immediate vicinity of the lecture theatre. Take the opportunity to present your products and services effectively to your target audience. Make valuable contacts. During the conference you will be exposed to key players in the industry accurately, concisely and with a minimum expenditure. We are looking forward to welcoming you here.

Sponsorship Opportunities

As a sponsor, your company or organisation gains a clear presence within a select circle of participants. During the event we offer a number of possibilities to position your company and connect with potential customers. Take advantage of sponsoring HIPIMS 2026 to address an existing target group, and to enhance your profile in a new industry. Please contact us if you would like to join the group of sponsors.

Experience Sheffield

With a population of 600'000, Sheffield is one of the largest in UK and a moajor city in the County of Yorkshire. Founded by Anglo-Saxons before 9th century, Sheffield's growth accelerated during the Industrial Revolution when it emerged as Britain's leading industrial centre for cutlery. The highly adhesive Sheffield Plate, crucible steel, stainless steel, 18/8 steels and the first industrial production of steel by the Bessemer conversion process were all invented in Sheffield and are featured in the Kelham Island Industrial Museum.

Town Hall 1897



Winter Gardens 2003



Historical buildings, theatres, gardens and the natural beauty of the Peak District - Britain's first national park - are all within easy reach.



Tilt Hammer
Abbeydale Industrial Hamlet 1785



Steam Engine -
Kelham Island Museum



HIPIMS Discharge
at Sheffield Hallam
University
2003



www.hipimsconference.com
hipims@shu.ac.uk

16th International Conference on HIPIMS

Fourteenth International Conference on
Fundamentals and Industrial Applications of HIPIMS
15 - 18 June 2026, Sheffield, UK
Venue: Cutlers' Hall

Looking forward to welcoming
you from Sheffield!

Organisers

**Sheffield
Hallam
University**
Knowledge Applied



National HIPIMS
Technology Centre UK



Fraunhofer
IST

HENRY
ROYCE
INSTITUTE

CATAPULT
High Value Manufacturing



Collaborating
Journal

Main Sponsor Sponsors

I.M3  Approved
for CPD
2026

