

CIP SCIENTIFIC COMMITTEE

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MIATEC SCIENTIFIC COMMITTEE

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 Fraunhofer Institute IST, Braunschweig (D)
 Univ. Poitiers (F)
 CEA Le Ripault, Monts (F)

REGISTRATION FEES

	Non SFV Member	SFV Member	Post-doc	Student
Short courses <i>Mon. 26 - Tue. 27 morning</i>	€ 490	€ 430	€ 315	€ 215
Conference <i>Tue. 27 afternoon - Fri. 30 morning</i>	€ 360	€ 300	€ 270	€ 230
Courses + conference <i>Mon. 26 - Fri. 30 morning</i>	€ 700	€ 640	€ 480	€ 350
Gala dinner on Tuesday	€ 72			

Additional charge of €50 for registration after June 6th, 2017

> more details on www.cip-miatec.com

CONTACT, CONFERENCE SECRETARY



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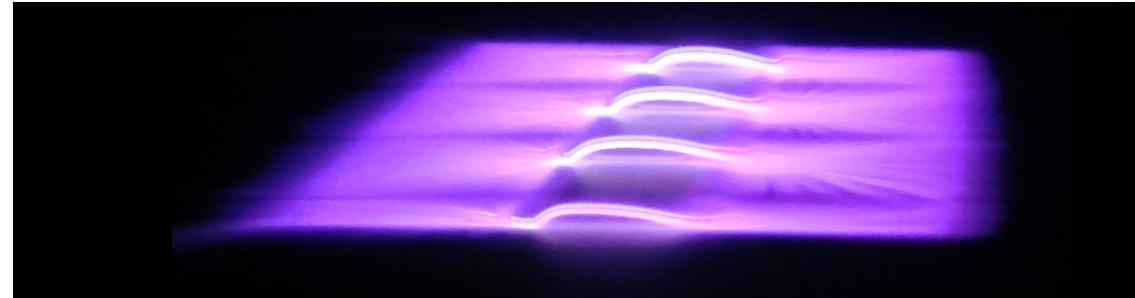
contact@cip-miatec.com

CIP 2017

21th
 INTERNATIONAL COLLOQUIUM
 ON PLASMA PROCESSES

MIATEC 2017

5th
 MAGNETRON ION PROCESSING & ARC
 TECHNOLOGIES EUROPEAN CONFERENCE



www.cip-miatec.com

26 - 30 June 2017
 Nice, France

CALL FOR PAPERS
 UNTIL 2 APRIL



In connection with SVTM 2017,
 International Exhibition on
 Vacuum and Surface Engineering



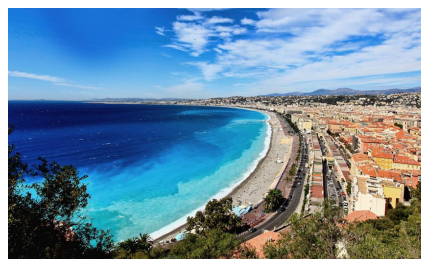
Organised by French
 Vacuum Society (SFV)

Endorsed by



The **21st International Colloquium on Plasma Processes (CIP)** will be held jointly with the **5th Magnetron Ion processing and Arc Technologies European Conference (MIATEC)** in Nice, France under the sun of the French Riviera, from **June 26 to 30, 2017**.

Both, CIP and MIATEC are biennial international conferences, organized by the French Vacuum Society (SFV) and devoted to the latest developments in plasma processing science and technology.



Nice: a multi-faceted city The sun that shines 300 days a year, the breadth and wealth of the city's internationally-renowned history and culture, the shifting shimmer of its sea, its towering mountain peaks and astounding beauty, the warmth of its local accent or the dazzling lights that illuminate its nights: nobody knows exactly what lends Nice its unique light, yet all those who have set foot here retain the memory of a rare and precious moment in time, the memory of those who light the city from within, setting hearts alight and putting stars in visitors' eyes.

Thierry BELMONTE

Chair of CIP Steering Committee

Tiberiu MINEA

Chair of MIATEC Scientific Committee



CIP-MIATEC 2017 will be organized jointly with the **SVTM 2017 (Salon du Vide et des Traitements des Matériaux / International Exhibition on Vacuum and Surface Engineering)**, annual industrial exhibition on vacuum technologies and materials treatment that will bring together more than 120 companies very active in the field.

Short Courses

Courses on plasma science and technology will be delivered for **three half-days** prior to the start of the CIP-MIATEC'2017 Conference.

These introductory courses will span topics ranging from basics of plasma physics and plasma surface interactions to plasma assisted deposition and etching processes, including their application in microelectronics, micro-nanotechnology, biomaterials and biosensors.

> detailed program on www.cip-miatec.com

Topics & Key Words

- 1 Plasma sources and electrical discharges:** pulsed plasmas, HiPIMS, modular plasmas, advanced reactors...
- 2 Plasma and process modeling:** Micro-discharges, Plasma jets, microwave microplasmas, Molecular dynamics, Monte Carlo methods, CFD approaches
- 3 Plasma diagnostics and plasma processes**
- 4 Plasma-deposited protective and tribological coatings**
- 5 Plasma-deposited coatings for optical, electronical and other functionalities:** thermal, optical, electrical and other functional properties of plasma deposited thin films, micro and nanoscaled functional materials...
- 6 Plasma for surface engineering:** surface treatment of polymers, glass, metals, micro and nano-structuration, functionalization
- 7 Plasma for the life sciences and agriculture:** biocompatibility antimicrobial coatings, sterilization, functionalization of biomaterial surfaces, immobilization of biomolecules...
- 8 Plasma and nanoscience:** Nanoparticles, nano-object, nanoarchitectures, self-assembly, MEMS, NEMS
- 9 Plasma for solar energy conversion and environmental applications**
- 10 Plasma and liquids:** Plasma Electrolytic Treatments, Submerged arcs, Laser in liquids
- 11 Industrial plasma - Hot topics:** new R&D plasma processing

Plenary speakers

From one to three dimensional nanostructures by vacuum and plasma assisted methods

Dr. Ana Isabel Borrás Martos / Instituto de Ciencia de Materiales de Sevilla CSIC, ES

Atmospheric pressure PECVD for solar energy conversion

Prof. Françoise Massines / PROMES, Univ. Perpignan, FR

Fundamental Properties of TM Nitrides: Materials Design Strategies for Extreme Properties

Prof. Dr. Joseph E. Greene / Illinois Univ., Urbana, USA & Linköping Univ, SE & National Taiwan Univ., Taipei, TW

Hydrogen etching of graphite: molecular simulation of plasma-surface interactions

Prof. Dr. Erik C. Neyts / PLASMANT, Univ. Antwerp, BE

Self-organisation phenomenon in magnetron sputtering plasmas

Dr. Ante Hecimovic / Ruhr-Univ. Bochum, DE

Invited speakers

- Grégory Abadias / Institut P, Univ. Poitiers, FR
- Franta Krcma / Brno Univ. of Technology, CZ
- Joakim Andersson / Uppsala Univ., SE
- Gaétan Laroche / LIS, Laval Univ., Québec, CA
- Mohamed Chaker / INRS, Varennes, Québec, CA
- Gottlieb S. Oehrlein / IREAP, Univ. of Maryland, College Park, USA
- Gianpiero Colonna / Institute of Inorganic Methodologies and Plasmas, CNR, Bari, IT
- Thibaut Richard / Swiss Plasma Center, EPFL, Lausanne, CH
- Abdou Djouadi / Institut des Matériaux Jean Rouxel, Nantes, FR
- Loic Schiesko / Max-Planck-Institut für Plasmaphysik, Garching, DE
- David Horwat / Institut Jean Lamour, Lorraine Univ., FR
- Ana Sobota / Dep. of Applied Physics, Eindhoven Univ. of Technology, NL
- Zdenek Hubička / Division of Optics, Institute of Physics, Prague, FR
- Gerard van Rooij / Dep. of Applied Physics, Eindhoven Univ. of Technology, NL

> more infos on www.cip-miatec.com

Awards & Prizes

- **2 Student awards** for the **best oral presentation** (€500) & the **best poster** (€300). Applications must be made during the call for papers.
- **Prize for the Most Artistic Plasma Science Image** will be another time available for the attendees vote. Images must be submitted before April, 15th 2017.

IMPORTANT DATES

2 April	Deadline for Abstract submission	18 April	Authors notifications
7 April	Opening of the registrations	21 April	Program online
15 April	End of Award & Prize application		