



## PLASMA DIAGNOSTICS AND MODELLING WORKSHOP TOWARDS THE INDUSTRIAL APPLICATIONS OF PLASMA-BASED PROCESSES

February 7-8th 2018  
Hotel Van der Valk, Mons, Belgium

Dear Colleagues,

**On February 7th and 8th 2018**, UMONS, Belvac, and EFDS will organize in the Hotel Van der Valk in Mons (Belgium) a workshop dedicated to Plasma Diagnostics & Modelling. The ultimate goal of this workshop is to answer the following question: "How can I improve my process by using plasma analysis and modelling tools?" During this event, renowned experts from both the academic and the industrial world will provide the audience with an in-depth view of plasma analysis and modelling studies, in a way to link both aspects in the frame of plasma-based deposition technologies.

### INVITED SPEAKERS:

**A. Bogaerts**, PLASMANT, U. Antwerp (BEL): "Modeling for a better understanding of plasma processes"

**A.-L. Thomann**, GREMI, U. Orléans (FRA): "Measuring energy flux at the substrate during plasma based deposition techniques: a way to investigate both the sputtering process and the film growth"

**D. Depla**, DRAFT, UGent (BEL): "Reactive magnetron sputter deposition: a journey from target to substrate"

**D. Lundin**, LPGP, U Paris-Sud (FRA): "A unified treatment of self-sputtering, process gas recycling, and runaway in magnetron discharges"

**N. Britun**, ChIPS, UMONS (BEL): "Optical spectroscopy as a tool to visualize sputtering plasma dynamics"

**A. Hecimovic**, P4G, Max Planck Institute (GER): "Plasma diagnostics for material transport and growth processes"

**P. Heinz Mayrhofer**, Institute of Materials Science and Technologie, TU Wien (AUT) "Quantum chemistry guided Materials Design. Concepts for improved Strength, Ductility, and Stability of thin Films"

**W. De Bosscher**, SOLERAS (BEL): "Implementation of Sputter Processes in Industry"

**S. Lucas**, LARN, UNamur (BEL): "A virtual coater simulation toolkit"

**R. Bendorf**, IST, Fraunhofer (GER): "Industrialization of HiPIMS"

**C. Schiffrers**, CEMECON (GER): "HiPIMS – The Plasma Process for Future Cutting Tool Coatings"

**H. Wiames**, AGC (BEL): "Industrial – scale coatings on glass"

The workshop is intended for scientists from Industry and Academia as well as students. A poster session will be organized at the end of the first day.

The detailed program of the workshop as well as registration and relevant information are on the website: <http://www.dm2018.eu/>

**DEADLINE FOR  
REGISTRATION:  
DECEMBER 31<sup>ST</sup> 2017**

We look forward to meeting you in Mons,



Stephanos Konstantinidis  
on behalf of the organization committee.

PS: This event is organized in the frame of "**Belgium, partner country of the 16th International Conference on Plasma Surface Engineering - PSE 2018**" which will be held on September 17 - 21, 2018 in Garmisch Partenkirchen, Germany. For more information : <http://www.pse-conferences.net>

