

# 9th Carolus Magnus Summer School on Plasma and Fusion Energy Physics

Organizers:

**Trilateral Euregio Cluster:**

- ERM/KMS Laboratory for Plasma Physics, Brussels, B
- FOM-Instituut voor Plasmafysica, Nieuwegein, NL
- IEF-4 (IPP) Forschungszentrum, Jülich, D



Herbeumont-sur-Semois, Belgium  
August 31 – September 11, 2009

Assoc. Prof. Dr. Dimiter MARVAKOV  
Dean  
Sofia University St. Kliment Ohridski  
Faculty of Physics  
5 James Bourchier Blvd.  
BG-1164 SOFIA  
Bulgaria

Brussels, January 8<sup>th</sup>, 2009

Dear Mr MARVAKOV,

First of all, allow me to wish you a very Happy New Year!

With its partners of the Trilateral Euregio Cluster or TEC (the "Institut für Plasmaphysik" of the "Forschungszentrum Jülich" in Germany and the "FOM-Instituut voor Plasmafysica Rijnhuizen" in The Netherlands), the Laboratory for Plasma Physics of ERM/KMS – Association EURATOM-Belgian State bi-annually organizes the **Carolus Magnus Summer School on Plasma and Fusion Energy Physics**. The 2009 edition of the school will be held in **Herbeumont-sur-Semois** in the south of Belgium from **August 31st to September 11th 2009**.

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Scientific secretary: Dr. E. Lerche, Laboratorium voor Plasmafysica / Laboratoire de Physique des Plasmas - Koninklijke Militaire School-École Royale Militaire, Renaissancelaan 30 Avenue de la Renaissance, BE-1000 Brussels Belgium  
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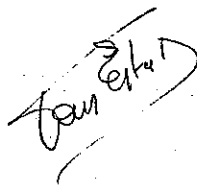
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As you probably know, the summer school aims at offering a dense, 2-week 'deep introduction' course on physics issues relevant to fusion machines. Topics range from basic theory on a number of subjects (plasma equilibrium, MHD instabilities, wave dynamics, transport), over experimental evidence and diagnostics, to a discussion on the needs of future machines, incorporating e.g. an assessment of the state-of-the-art of materials needed for devices in which the integrated neutron fluxes will be significant. As ITER now starts being built but will only be ready a decade from now, it will be operated by a new generation of scientists. The summer school wants to inform and stimulate researchers who recently joined the fusion energy research field by giving them a deep overview presented by specialists in the various domains involved. The school typically welcomes 50-60 international students – most of them just having initiated their PhD research – addressed by about 30 lecturers. Most of the lecturers are working in the TEC. But when expertise is lacking inside the TEC, then external speakers are invited. To allow an as big as possible impact, the summer school's proceedings appear as a special issue of Fusion Science and Technology, and are freely available on the CMSS www site <http://www.carolusmagnus.net> where also other useful information about the summer school can be found.

Included you will find a poster announcing the summer school. Would it be possible to hang the poster ad valvas or at a publicly accessible place in your institute or laboratory so that people potentially interested in the school can take up contact with us? Thank you very much.

Warm regards,



Dr. D. Van Eester  
Chairman CMSS9

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