

## AGENDA

**Tuesday, 30<sup>th</sup> June**

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<b>9:00</b>	<b>Opening ceremony</b>
<b>9:30</b>	<b>J. ONGENA (Director of the School)</b>

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9:30	<b>J. ONGENA</b> , Royal Military Academy, Belgium
10:15	<i>The importance of fusion for future energy systems</i>

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<b>10:15</b>	<b>Discussion</b>
<b>10:30</b>	

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10:30	<b>A.J.H. DONNÉ</b> , EUROfusion Programme Manager, Germany
11:15	<i>Progress in European fusion research</i>

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<b>11:15</b>	<b>Discussion</b>
<b>11:30</b>	

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11:30	<b>F. TACCOGNA</b> , Italian National Research Council, Italy
12:15	<i>Plasma thruster modeling</i>

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<b>12:15</b>	<b>Discussion</b>
<b>12:30</b>	

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12:30	<b>STUDENTS SESSION</b>
13:00	

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12:30	<b>A. SZELECKA</b>
12:45	<i>Study of the ion current behavior in the Hall Effect Thruster</i>

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12:45	<b>A. RIAZANTSEV</b>
13:00	<i>Electron Transport in a Hall Effect Thruster</i>

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<b>13:00</b>	<b>BREAK</b>
<b>14:00</b>	

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14:00	<b>M.J. SADOWSKI</b> , National Centre for Nuclear Research, Poland
14:45	<i>Recent experiments with plasma-focus devices in different countries; A review</i>

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<b>14:45</b>	<b>Discussion</b>
<b>15:00</b>	

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15:00	<b>P. KUBEŠ</b> , Czech Technical University in Prague, Czech Republic
15:45	<i>Recent experiments within a PF-1000 plasma focus facility</i>

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<b>15:45</b> <b>16:00</b>	<b>Discussion</b>
16:00 16:45	<b>W. STĘPNIEWSKI</b> , Institute of Plasma Physics and Laser Microfusion, Poland <i>Simulations of Z-pinch dynamics</i>
<b>16:45</b> <b>17:00</b>	<b>Discussion</b>
<b>17:00</b> <b>18:00</b>	<b>BREAK</b>
18:00 19:45	<b>STUDENTS SESSION</b>
18:00 18:15	<b>P. TCHÓRZ</b> <i>Thomson Parabola Spectrometer as a multipurpose diagnostic tool for laser-driven particle acceleration experiments</i>
18:15 18:30	<b>D. TERWIŃSKA</b> <i>Analysis of ion emission from the plasma produced in Cavity-type targets by PALS iodine laser</i>
18:30 18:45	<b>O. KAMBOJ</b> <i>Optimizing laser focal-spot size using self-focusing in a cone-guided fast ignition ICF target</i>
18:45 19:00	<b>D. MANDAL</b> <i>Spontaneous Generation of Magnetic Dipole Structures in Overdense Plasma</i>
19:00 19:15	<b>A. VASHISTHA</b> <i>Absorption of laser energy by generation of an electrostatic mode in plasma</i>
19:15 19:30	<b>J. VÁZQUEZ-MOYANO</b> <i>Checking ion stopping models in highly ionized plasmas</i>
19:30 19:45	<b>S. KUMAR</b> <i>Enhancement of Self-Focusing of q-Gaussian Laser Beam by Ramped Density Plasma</i>

## Wednesday, 1<sup>st</sup> July

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9:00	<b>J.J. SANTOS</b> , University of Bordeaux, France
9:45	<i>Progress and perspectives for magnetized high energy-density plasmas experiments</i>
<b>9:45</b> <b>10:00</b>	<b>Discussion</b>
10:00	<b>D. BATANI</b> , University of Bordeaux, France
10:45	<i>The Shock Ignition approach to IFE: basic concepts and progress</i>
<b>10:45</b> <b>11:00</b>	<b>Discussion</b>
11:00	<b>J. NEJDL</b> , Institute of Physics ASCR, Czech Republic
11:45	<i>An introduction to laser-driven X-ray sources</i>
<b>11:45</b> <b>12:00</b>	<b>Discussion</b>
12:00	<b>F. SUZUKI-VIDAL</b> , Imperial College London, UK
12:45	<i>High energy density laboratory astrophysics</i>
<b>12:45</b> <b>13:00</b>	<b>Discussion</b>
<b>13:00</b> <b>14:00</b>	<b>BREAK</b>
14:00	<b>A. JARDIN</b> , Institute of Nuclear Physics PAN, Poland
14:45	<i>X-ray tomography system for fusion devices</i>
<b>14:45</b> <b>15:00</b>	<b>Discussion</b>
15:00	<b>E. PAWELEC</b> , University of Opole, Poland
15:45	<i>Core (XUV/VUV) and boundary (UV/vis/IR) plasma spectroscopy in fusion devices</i>
<b>15:45</b> <b>16:00</b>	<b>Discussion</b>
16:00	<b>STUDENTS SESSION</b>
17:00	
16:00	<b>I. ILICHEV</b>
16:15	<i>Research of plasma-focus discharge and generated flow with the K-008 streak-camera</i>

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16:15 16:30	<b>Y. VOLKOVA</b> <i>Influence of External Magnetic Field on Compressive Plasma Flows</i>
16:30 16:45	<b>J. NOVOTNY</b> <i>Neutron measurements on PFZ-200 and PF-24 plasma focus devices</i>
16:45 17:00	<b>V. MUNZAR</b> <i>Ion deflectometry measurements of the magnetic fields and currents in Z-pinch plasmas</i>
<b>17:00</b> <b>18:00</b>	<b>BREAK</b>
18:00 20:00	<b>STUDENTS SESSION</b>
18:00 18:15	<b>S. OLASZ</b> <i>Runaway Electron Modeling in the EU-IM Framework</i>
18:15 18:30	<b>T. FORNAL</b> <i>Estimation of the photon fluxes of the B, C, N and O Lyman- <math>\alpha</math> lines emitted from the W-X plasmas</i>
18:30 18:45	<b>J. MALÍŘ</b> <i>Design and implementation of electronic unit of silver activation neutron detector and its calibration</i>
18:45 19:00	<b>W. GROMELSKI</b> <i>Tungsten plasma density and temperature time analysis induced by 1.064<math>\mu</math>m nanosecond dual-pulse laser pulses</i>
19:00 19:15	<b>V. DWIVEDI</b> <i>Application of CF-LIBS for the depth profile Quantification of plasma-facing materials</i>
19:15 19:30	<b>A. KURILO</b> <i>The Research of the Generation of Shock Waves in Transparent Materials after an Impact of a High-current Electron Beam</i>
19:30 19:45	<b>R. KWIATKOWSKI</b> <i>Cherenkov Probes and Runaway Electrons Diagnostics</i>
19:45 20:00	<b>J. STRUČKA</b> <i>A Portable X-pinch Source for Probing High-Energy Density Physics Experiments</i>

## Thursday, 2nd July

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9:00 9:45	<b>A. DINKLAGE</b> , Max Planck Institute for Plasma Physics, Germany <i>Recent results from Wendelstein 7-X En route to a HELIAS reactor</i>
<b>9:45</b> <b>10:00</b>	<b>Discussion</b>
10:00 10:45	<b>M. DE BAAR</b> , Eindhoven University of Technology, Netherlands <i>Model Based Plasma Operations and Control</i>
<b>10:45</b> <b>11:00</b>	<b>Discussion</b>
11:00 11:45	<b>M. JAKUBOWSKI</b> , Max Planck Institute for Plasma Physics, Germany <i>Edge &amp; Divertor Physics of Wendelstein 7-X</i>
<b>11:45</b> <b>12:00</b>	<b>Discussion</b>
12:00 12:45	<b>F. WARMER</b> , Max Planck Institute for Plasma Physics, Germany <i>From Wendelstein 7-X to a HELIAS Fusion Power Plant</i>
<b>12:45</b> <b>13:00</b>	<b>Discussion</b>
<b>13:00</b> <b>14:00</b>	<b>BREAK</b>
14:00 14:45	<b>J. PASLEY</b> , Department of Physics University of York, UK <i>An introduction to Inertial Confinement Fusion</i>
<b>14:45</b> <b>15:00</b>	<b>Discussion</b>
15:00 15:45	<b>F. MAVIGLIA</b> , EUROfusion Consortium, Germany <i>DEMO Programme in Europe</i>
<b>15:45</b> <b>16:00</b>	<b>Discussion</b>
16:00 16:45	<b>A. FASOLI</b> , EPFL SB SPC-TCV, Switzerland <i>Burning plasma physics</i>
<b>16:45</b> <b>17:00</b>	<b>Discussion</b>
<b>17:00</b> <b>17:30</b>	<b>Closing ceremony</b>

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