

(Moscow time is used in this Schedule)

July, 5 (Chair: A.A. Pisarev) – Monday

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| 10:00-10:30 | Yu. Gasparyan. Opening |
| 10:30-11:30 | G. Van Oost. "ITER and beyond"; Structural Materials for Fusion Devices |
| 11:40-12:40 | E. Marenkov. Vapor shielding of liquid metal plasma facing components |
| 13:00-14:00 | Lunch |
| 14:00-15:00 | A. Pisarev. Uncertainties in estimations of tritium accumulation in ITER divertor plates due to plasma implantation: Influence of basic parameters |
| 15:10 | Student's talks Chair: E.D. Marenkov |

July, 6 (Chair: A.S. Kukushkin) – Tuesday

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| 10:00-11:00 | T. Tanabe. Perspective of Plasma-Material Interactions in a fusion reactor |
| 11:10-12:10 | T. Tanabe. Perspective of Plasma-Material Interactions in a fusion reactor (contd.) |
| 12:20-14:00 | Lunch |
| 14:00-15:00 | K. Nordlund. Molecular dynamics method for radiation damage calculations |
| 15:10-16:10 | F. Djurabekova. Binary collision approximation and kinetic Monte Carlo method for radiation damage calculations |
| 16:30 | Student's talks Chair: L.B. Begrambekov |

July, 7 (Chair: Yu. M. Gasparyan) – Wednesday

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| 10:00-11:00 | C. Grisolia. Dust and its impact on tokamak safety |
| 11:10-12:10 | A. Litnovsky. Advanced materials for a future fusion plant |
| 12:20-14:00 | Lunch |
| 14:00-15:00 | A. Kukushkin. 2D fluid modeling of divertor plasma. Basics and trends |
| 15:10 | Student's talks Chair: A.A. Pisarev |

July, 8 (Chair: L.B. Begrambekov) – Thursday

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|-------------|--|
| 10:00-11:30 | R. Pitts. ITER project status |
| 11:40-13:10 | R. Pitts. ITER divertor physics basis |
| 13:20-15:00 | Lunch |
| 15:00 | Student's talks Chair: Yu. M. Gasparyan |

July, 9 (Chair: A.A. Stepanenko) – Friday

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| 10:00-11:00 | L. Begrambekov. Sputtering and modification of materials under ion-plasma irradiation at temperatures of "active diffusion" |
| 11:10-12:10 | J. Horacek. Scrape of layer turbulence transport |
| 12:20-13:20 | D. Heim, T. Mueller. Glow discharge plasma in industrial applications |
| 13:20-14:00 | Discussion. Closing |

Students' talks

July, 5

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| 15:10-15:30 | V. Kulagin. Study of helium-induced structures on tungsten plasma-facing components. |
| 15:30-15:50 | A. Alieva. The status of the MEPHIST tokamak development |
| 15:50-16:10 | K. Ashurova. Research of the melt life time influence on the structure and properties of hypereutectic silumin. |
| 16:10-16:30 | N.S. Sergeev. Compact ICP Device For Laser Induced Breakdown Spectroscopy |
| 16:30-16:50 | N.A. Puntakov. Removal of carbon atoms from the near-surface layers of graphite by high intensity deuterium ion flux at high temperatures |

July, 6

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| 16:30-16:50 | Nandini Yadava. Behavior of hydrogen and impurities in ADITYA-U tokamak plasmas after lithium coating. |
| 16:50-17:10 | E. Fox-Widdows. Correlation of hydrogen emission and electron properties in low temperature plasma conditions close to divertor-like materials. |
| 17:10-17:40 | N. Trklja Boca. Effects of high thermal loads produced by interaction of accelerated plasma with materials. |

July, 7

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| 15:10-15:30 | S.S. Dovganyuk. Formation of surface layers during plasma deposition of aluminum atoms on tungsten and their transformation during radiation heating |
| 15:30-15:50 | G. F. Nallo. SOLPS-ITER simulations for an EU DEMO with a liquid metal divertor and Argon seeding |
| 15:50-16:10 | K. Shah. Estimation of Argon and Neon influxes and transport in Aditya-U plasma |
| 16:10-16:30 | M. Keisuke. Absolute calibration method for hydrogen permeation probe using emission spectroscopy |
| 16:30-16:50 | C. Cowley. Optimizing detachment control using the magnetic configuration of divertors |

July, 8

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| 15:00-15:20 | Tran Quang V. Development of a stationary RF-heating system of helicon type for PLM-2 plasma device |
| 15:20-15:40 | K. Soni. Experimental and numerical characterization of an RF plasma in DC grounded electrode configuration using a $\lambda/4$ filter |
| 15:40-16:00 | I. Oshenko. Electrophysical parameters of AC plasma systems |
| 16:00-16:20 | O. Kamboj. Study of stimulated Raman forward scattering in presence of azimuthal magnetic field in a density rippled plasma in inertial confinement fusion |
| 16:20-16:40 | A.A. Stepanenko. Reflection of electromagnetic waves and propagation of sheath-connected filaments at the edge of fusion devices |