

**33rd Symposium on Fusion Technology (SOFT 2024)**  
**22-27 September 2024, The Helix, Dublin City University, Ireland**  
**SOFT 2024 Conference Schedule overview**

Start	End	Sunday 22-Sep-24	Monday 23-Sep-24	Tuesday 24-Sep-24	Wednesday 25-Sep-24	Thursday 26-Sep-24	Friday 27-Sep-24
08:00	09:00		Conference Registration & Poster Preparation Plenary Session 1: The Mahony Hall	Conference Registration & Poster Preparation Plenary Session 2: The Mahony Hall	Conference Registration & Poster Preparation Plenary Session 3: The Mahony Hall	Plenary Session 4: The Mahony Hall	Oral Session 4 (Morning) The Mahony Hall (A)   The Theatre (B)   The Space (C)
09:00	09:20		OPENING CEREMONY Welcome, Mahony Hall	Philippe Cara, F4E, Topic J: Overview of the DONES Programme	Ambrogio Fasoli, EUROfusion, Topic A: EUROfusion's Vision for Advancing the European Fusion Energy Roadmap	Rosaria Villari, JET, Topic B: Overview of Deuterium-Tritium nuclear operations at JET	Kieran McCarthy, Topic E: TESPEL: a powerful tool for investigating impurity control in the plasma core of magnetic confinement fusion devices
09:20	09:30						Rui Ding, Topic G: Lessons learned from neutral-induced material erosion studies in EAST
09:30	09:40						Inese Zannueta, Topic H: Status of the project of the new upper Divertor in ASDEX Upgrade
09:40	09:50		Pietro Barabaschi, Iker Director: The ITER Project: moving forward to an updated baseline	Jan Coenen, Forschungszentrum Jülich, Topic J: Navigating the Challenges of First Wall Materials in ITER and Future Fusion Reactors	Jean Paul Allain, DOE, Topic B: Building Bridges: A Vision for the US DOE Office of Fusion Energy Sciences	Rob Buckingham, UKAEA, Topic H: Maintenance Matters: considering plant operations from the outset of fusion machine design	Miroslaw Zdobinski, Topic E: In situ Tritium Retention Diagnostic using Laser-Induced Desorption: IT results and ITER outlook
09:50	10:10						Robert Lundford, Topic G: Development of Solid Material Injectors for Supplemental Wall Conditioning and Discharge Enhancement
10:10	10:20						Gabriele Benzoni, Topic H: Remote Handling validation of the OPM-QDS connecting system for the IFMIF-DONES Target Assembly
10:20	10:30		Hiroshi Shirai, QST: Overview of Japanese Fusion Strategy	Samuele Dal Bello, Consorzio RFX, Topic C: Recent results and prospects of the ITER Neutral Beam Test Facility (NBTf)	Lu Kun, IPP China, Topic B: Recent progresses of CN superconducting tokamak development	Richard Pearson, Kyoto Fusionering, Topic I: Tritium: High-level overview of key challenges for commercial fusion deployment	Inese Álvarez Castro, Topic E: Computational assessment of signal from IFMIF-DONES High-Flux Test Module diagnostics
10:30	11:00						Benjamin Nemetz, Topic H: A Study of Bi-manual Maintenance Operations in the Tokamak Demonstration Fusion Power Plant
11:00	11:30		Tea/Coffee Break	Tea/Coffee Break	Tea/Coffee Break	Tea/Coffee Break	Daniel Dunai, Topic E: Conceptual design of the divertor monitoring diagnostic for European DEMO
11:30	11:40		Oral Session 3 (Morning) The Mahony Hall (A)   The Theatre (B)   The Space (C)	Oral Session 3 (Morning) The Mahony Hall (A)   The Theatre (B)   The Space (C)	Oral Session 3 (Morning) The Mahony Hall (A)   The Theatre (B)   The Space (C)	Oral Session 3 (Morning) The Mahony Hall (A)   The Theatre (B)   The Space (C)	Tea/Coffee Break
11:40	12:00		Anelia BREDAN, Topic G: Main achievements from operating an actively cooled ITER grade W divertor on WEST	Mu-Young Ahn, Topic I: Status of KCC-EU joint development for HCCP-1BM	Simonetta Turco, Topic F: The DTT Magnet System from Design to Procurement and Test	Joelle Elber-Sivan, Topic K: Safety Approach and Demo Progress in Safety Demonstration and Future Fusion Power Plant	Plenary Session 5: The Mahony Hall
12:00	12:20		Janik Tveit, Topic G: Repair of heat load damaged plasma-facing material by direct energy deposition	Kesuke MUKAI, Topic I: Synthesis and evaluations of tritium breeding performance of J-1.8e hybrid	Jinggang Qin, Topic F: Design and manufacturing technology development of HTS-CSC magnets for the HT-7	Eloise BERNARD, Topic K:J Overview of the TITANS (Tritium Impact and Transfer in Advanced Nuclear Reactors) project	Sehiba Gonzalez, Regulation UK/US/Europe, Topic K: Global current status of Safety Regulation for Fusion
12:20	12:40		Sophie CARPENTIER, Topic G: Impact of plasma heat load specifications on the proposed ITER tungsten first wall design	Robert Pearce, Topic I: Design, Development and Manufacture of the ITER Tonus and Cryostat Cryopumps	Hyunjung Lee, Topic F: Assessment of KSTAR Nb3Sn superconducting magnet property under long-term operation	Paul Hurnschose, Topic K: Impact of coating on decay heat and waste associated with fusion components	Marco Wischmeier, IPP, Topic B: Power and Particle Exhaust Physics for Fusion Reactors
12:40	13:00		Axel Lorenz, Topic G: Completing the actively cooled first wall for W7-X high heat flux plasma operation	Fumito Okino, Topic I: Enhanced deuterium extraction efficiency from LFB droplets in a vacuum	Nikola Bykavskyi, Topic F: Design, construction and test of high-current thermal switches using Nb-Ti and MgB2 wires	Phil Smith, Topic E: Parameters affecting EU-DEMO radioactive waste generation and mitigation techniques	Michael Tobin, Topic L: Beyond Ignition: Xcimer Energy's Path to Commercial Fusion Power
13:00	13:30		Lunch Break	Lunch Break	Lunch Break	Lunch Break	SOFT PhD Best Poster Prize Closing Ceremony
13:30	14:30		Poster Session 1	Poster Session 2	Coach Transfers from the Helix to Glasnevin Cemetery	Poster Session 4   Virtual Poster Session	
14:30	15:30		Tea/Coffee Break	Tea/Coffee Break	Tea/Coffee Break	Tea/Coffee Break	
15:30	16:00		Oral Session 1 (Afternoon) The Mahony Hall (A)   The Theatre (B)   The Space (C)	Oral Session 2 (Afternoon) The Mahony Hall (A)   The Theatre (B)   The Space (C)	Oral Session 2 (Afternoon) The Mahony Hall (A)   The Theatre (B)   The Space (C)	Oral Session 3 (Afternoon) The Mahony Hall (A)   The Theatre (B)   The Space (C)	
16:00	16:30		Vincenzo NARDIS, Topic I: Status of the EU DEMO Coherent Purification System activities	Felix Wamzer, Topic A: Advances in Stellarator Physics and Engineering - more than just an alternative concept?	Klaus SCHMID, Topic G: Retention in tungsten and EUROFER and its influence on tritium self-sufficiency	Benjamin EL, Topic C: Advancements in Gyrotron Efficiency: From Single- to Multi-stage Depressed Collector	
16:30	17:00		Inesh Kerenina, Topic I: Comparative analysis of high-temperature corrosion processes of beryllides of different compositions	Francisco Javier BUELTES, Topic A: Best Practices and Methodology on Tokamak Dimensional Risk Management - ITER to DEMO	Johann BRESCH, Topic G: High heat flux testing of plasma-facing components for the compact, high field tokamak SPARC	Cristina da Mota, Topic C: Solid-state radiofrequency amplifier technology for fusion applications	
17:00	17:20		Bradley Eugen Ghidrasa, Topic I: Experimental activities in support of the EU DEMO Helium Cooled Pebble Bed Blanket design and qualification	Koji Takahashi, Topic A: Achievement of First Plasma and Successful Integrated Commissioning in JT-60SA	Robin SHUTT, Topic G: ITER NHT First Wall Full Scale Prototype manufacturing and testing	Munsook CHOI, Topic C: Cross-validation of RF/Optical Simulation Tools for Advanced Engineering Design of EC Equatorial Launcher in ITER	
17:20	17:40	The Helix, DCU: Conference Registration	Rami Didiogore Mahdamin, Topic I: Advancements in Tritium Breeding: towards achieving self-sufficiency in Fusion Power Plants through Liquid Immersion Blanket Concept	Paul Staric, Topic A: Lessons Learned from AGRS supporting JET for the DTE2/DTE3 campaigns: Operational limitations, bottlenecks, and Impact of Completed/Outstanding Upgrades	Garrett BOPALIN, Topic G: Putting the Sun in a Box: An Industry Perspective on the Design and Manufacture of Plasma Facing Components	Shawn TANG, Topic C: Results from the High-Power Helicon Current Drive System at DIII-D	
17:40	18:00		Coach transfers from the Helix to Croke Park		Group Excursion: Walking Tour Glasnevin Cemetery	Poster Session 4   Virtual Poster Session	
18:00	18:30						
18:30	19:00						
19:00	19:30		SOFT 2024 Welcome Reception: Croke Park, Dublin				
19:30	20:00						
20:00	20:30						
20:30	21:00						
21:00	21:30						
21:30	22:00						
22:00	22:30						
22:30	23:00						