

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	
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	
09:20	09:30	Pietro Barabaschi, ITER 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	
09:30	09:40	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	
09:40	09:50	Tea/Coffee Break		Tea/Coffee Break		Tea/Coffee Break	
09:50	10:10	Oral Session 3 (Morning)		Oral Session 3 (Morning)		Oral Session 3 (Morning)	
10:10	10:20	The Mahony Hall (A) Anella DEGENH, Topic G: Main achievements from operating an actively cooled ITER grade W divertor on WEST	The Theatre (B) Tamas Szepes, Topic G: Visible video diagnostics for the support of Wendelstein 7-X and JT-60SA commissioning and operation	The Space (C) Anna Vu Trang, Topic D: Progress in the ITER Plasma Control System design	The Mahony Hall (A) Mu-Young Ahn, Topic I: Status of KCC-EU joint development for HCCP-1BAM	The Theatre (B) Simoneetta Turku, Topic F: The DTT Magnet System from Design to Procurement and Test	The Space (C) Joelle Elber-Sivan, Topic K: Safety Approach and Demo Progress in Safety Demonstration and Future Fusion Power Plant
10:20	10:30	The Mahony Hall (A) Janik Twier, Topic G: Repair of heat load damaged plasma-facing material by direct energy deposition	The Theatre (B) Björn Brennen, Topic E: Experiments on Specular Wavy Liquid Metal Surface of Selected Optical Insulator	The Space (C) Bernhard Sieglin, Topic D: H-Mode density limit duration avoidance in ASDEX Upgrade, TCV and JT-60SA	The Mahony Hall (A) Keisuke Mukai, Topic I: Synthesis and evaluations of tritium breeding performance of 1.6-1.8 hybrid	The Theatre (B) Jinggang Qin, Topic F: Design and manufacturing technology development of HTS-CSC magnets for the	The Space (C) Eloise BERNARD, Topic K:J Overview of the TITANS (Tritium Impact and Transfer in Advanced Nuclear Reactors) project
10:30	11:00	The Mahony Hall (A) Sophie CARPENTIER, Topic G: Impact of plasma heat load specifications on the proposed ITER tungsten first wall design	The Theatre (B) Quentin Potiron, Topic E: Comparison of Solid State Neutron Detectors for 14 MeV Neutron Measurement under High Temperature up to 300°C	The Space (C) Morten Børnholm, Topic D: Burn relevant DT mixture control at JET	The Mahony Hall (A) Robert Pearce, Topic I: Design, Development and Manufacture of the ITER Torus and Cryostat Cryopumps	The Theatre (B) Hyojung Lee, Topic F: Assessment of KSTAR Nb3Sn superconducting magnet property under long-term operation	The Space (C) Paul Humrickhouse, Topic K: Impact of coating on decay heat and waste associated with fusion components
11:00	11:30	The Mahony Hall (A) Axel Lorenz, Topic G: Completing the actively cooled first wall for W7-X high heat flux plasma operation	The Theatre (B) Pilar Cano Maga, Topic E: Novel technique for main ion temperature measurements at the last closed flux surface using thermal neutrals	The Space (C) Filip Janký, Topic D: SOPHA: a tokamak simulator	The Mahony Hall (A) Fumito Okino, Topic I: Enhanced deuteron extraction efficiency from LFB droplets in a vacuum	The Theatre (B) Nikolay Bykovskiy, Topic F: Design, construction and test of high-current thermal switches using Nb-Ti and MgB2 wires	The Space (C) Phil Smith, Topic E: Parameters affecting EU-DEMO radioactive waste generation and mitigation techniques
11:30	11:40	Lunch Break		Lunch Break		Lunch Break	
11:40	12:00	Poster Session 1		Poster Session 2		Poster Session 3	
12:00	12:20	Tea/Coffee Break		Tea/Coffee Break		Tea/Coffee Break	
12:20	12:40	Oral Session 1 (Afternoon)		Oral Session 2 (Afternoon)		Oral Session 3 (Afternoon)	
12:40	13:00	The Mahony Hall (A) Vincenzo Nardis, Topic I: Status of the EU-DEMO Coherent Purification System activities	The Theatre (B) Pavel Vondracek, Topic B: COMPASS Upgrade: from design to construction Status of the COMPASS Upgrade tokamak	The Space (C) Dirk Wünderlich, Topic C: CW beam extraction from the NBI test facility ELISE: Approaching the ITER target values	The Mahony Hall (A) Felix Wamers, Topic A: Advances in Stellarator Physics and Engineering - more than just an alternative concept?	The Theatre (B) Klaus Schmidt, Topic G: Retention in tungsten and EUROFER and its influence on tritium self-sufficiency	The Space (C) Benjamin EL, Topic C: Advancements in Gyrotron Efficiency: From Single- to Multi-stage Depressed Collector
13:00	13:30	Lunch Break		Lunch Break		Lunch Break	
13:30	14:30	SOFT 2024 International Committee Meeting (Closed meeting)		Industrial Session: The Gallery Room		R&D Exhibition	
14:30	15:30	Coach transfers from the Helix to Croke Park		Coach transfers from the Helix to Glasnevin Cemetery		Coach transfers from the Helix to Glasnevin Cemetery	
15:30	16:00	SOFT 2024 Welcome Reception: Croke Park, Dublin		Group Excursion: Walking Tour Glasnevin Cemetery		Group Excursion: Walking Tour Glasnevin Cemetery	
16:00	16:30	Tea/Coffee Break		Tea/Coffee Break		Tea/Coffee Break	
16:30	17:00	The Mahony Hall (A) Inesh Kerenina, Topic I: Comparative analysis of high-temperature corrosion processes of beryllides of different compositions	The Theatre (B) Daniela Aprile, Topic E: Progress on RFX-m22 vessel compact assembly	The Space (C) Arthur Adams, Topic C: An automatic matching system for the ICRF antenna at TOMAS	The Mahony Hall (A) Francisco Javier Buerres, Topic A: Best Practices and Methodology on Tokamak Dimensional Risk Management: ITER to DEMO	The Theatre (B) Johann Busch, Topic G: High heat flux testing of plasma-facing components for the compact, high field tokamak SPARC	The Space (C) Cristina da Mota, Topic C: Solid-state radiofrequency amplifier technology for fusion applications
17:00	17:20	The Mahony Hall (A) Bradley Eugen Ghidrasa, Topic I: Experimental activities in support of the EU-DEMO Helium Cooled Pebble Bed Blanket design and qualification	The Theatre (B) George Bips, Topic B: The DIII-D National Fusion Facility, supporting ITER and the Reactor Path	The Space (C) Stefan Ily, Topic C: Concepts for Megawatt-Class Fusion Gyrotrons Operating at the Second Harmonic of the Cyclotron Frequency	The Mahony Hall (A) Koji Takahashi, Topic A: Achievement of First Plasma and Successful Integrated Commissioning in JT-60SA	The Theatre (B) Robin Shuff, Topic G: ITER NHT First Wall Full-Scale Prototype manufacturing and testing	The Space (C) Munsook Chae, Topic C: Cross-validation of RF/Optical Simulation Tools for Advanced Engineering Design of EC Equatorial Launcher in ITER
17:20	17:40	The Mahony Hall (A) Rami Didiogore Mahdamin, Topic I: Advancements in Tritium Breeding: towards achieving self-sufficiency in Fusion Power Plants through Liquid Immersion Blanket Concept	The Theatre (B) Louis Rutt, Topic B: Design and validation of a fusion neutron source at the Birmingham M400 cyclotron	The Space (C) Rosa Difronzo, Topic C: Investigation and optimization of innovative designs and validation of innovative TFMS-based cooling system for the resonant cavity of gyrotrons for fusion application	The Mahony Hall (A) Paul Staric, Topic A: Lessons Learned from AGRS supporting JET for the DT2/DT3 campaigns: Operational Limitations, Bottlenecks, and Impact of Completed/Outstanding Upgrades	The Theatre (B) Garrett Bopinal, Topic G: Putting the Sun in a Box: An Industry Perspective on the Design and Manufacture of Plasma Facing Components	The Space (C) 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 Guinness Storehouse		Coach transfers from the Helix to Guinness Storehouse		Coach transfers from the Helix to Guinness Storehouse	
18:00	18:30	SOFT 2024 Welcome Reception: Croke Park, Dublin		Social Dinner: Guinness Storehouse		Social Dinner: Guinness Storehouse	
18:30	19:00	Tea/Coffee Break		Tea/Coffee Break		Tea/Coffee Break	
19:00	19:30	Oral Session 3 (Afternoon)		Oral Session 3 (Afternoon)		Oral Session 3 (Afternoon)	
19:30	20:00	The Mahony Hall (A) Adhesh Kumar Mishra, Topic I: R&D journey of functionally graded tungsten/EUROFER coating for DEMO First Wall	The Theatre (B) Hong SHEN, Topic F: High Current ICRF Voltage Source Converters for Fusion Application at ITER	The Space (C) Gian Mario Polli, Topic B: Status of DTT construction	The Mahony Hall (A) Yiran Mao, Topic I: Demonstrating long tungsten fiber-reinforced tungsten composites as plasma-facing materials	The Theatre (B) Monica Martinez Lopez, Topic F: ITER Project Poloidal Field Coils Production Completion	The Space (C) Haridev @hohan, Topic E: Methodologies for Benchmark Experiments with Shielding Materials
20:00	20:30	The Mahony Hall (A) Masaki Nakajima, Topic J: Effects of magnetic force and magnetic field orientation on corrosion products precipitated on RZM	The Theatre (B) Kazuya Yamada, Topic F: Superconducting magnet operation in JT-60SA integrated commissioning test	The Space (C) Luka Snoj, Topic B: KATANA Facility for ITER relevant water activation experiments	The Mahony Hall (A) Dmitry YERENYEV, Topic J: Development of radiation and high-temperature resistant steels for fusion applications	The Theatre (B) Alessandro Lampati, Topic F: Tests of power supply and fast discharge unit for the Frascati Cold Test Facility	The Space (C) Sara Perez-Martin, Topic E: HELOKA-US Project: towards the verification of a DEMO based conventional power plant technology
20:30	21:00	Coach Transfer from the Helix to Guinness Storehouse		Coach Transfer from the Helix to Guinness Storehouse		Coach Transfer from the Helix to Guinness Storehouse	
21:00	21:30	Tea/Coffee Break		Tea/Coffee Break		Tea/Coffee Break	
21:30	22:00	Oral Session 4 (Morning)		Oral Session 4 (Morning)		Oral Session 4 (Morning)	
22:00	22:30	The Mahony Hall (A) Kieran McCarthy, Topic E: TESPEL: a powerful tool for investigating impurity control in the plasma core of magnetic confinement fusion devices	The Theatre (B) Rui Ding, Topic G: Lessons learned from neutral-induced material erosion studies in EAST	The Space (C) Irene Zammita, Topic H: Status of the project of the new upper Divertor in ASDEX Upgrade	The Mahony Hall (A) Miroslav Zdobinski, Topic E: In situ Tritium Retention Diagnostic using Laser-Induced Desorption: IT results and ITER outlook	The Theatre (B) Robert Lundford, Topic G: Development of Solid Material Injectors for Supplemental Wall Conditioning and Discharge Enhancement	The Space (C) Gabriele Benzoni, Topic H: Remote Handling validation of the OPM-QDS connecting system for the IFMIF-DONES Target Assembly
22:30	23:00	The Mahony Hall (A) Irene Álvarez Castro, Topic E: Computational assessment of signal from IFMIF-DONES High-Flux Test Module diagnostics	The Theatre (B) JuegenRapp, Topic G: MPEX project status and initial program for testing PFCS under fusion reactor conditions	The Space (C) Bogdan Nemes, Topic H: A Study of Bi-manual Maintenance Operations in the Tokamak Demonstration Fusion Power Plant	The Mahony Hall (A) Daniel Dunai, Topic E: Conceptual design of the divertor monitoring diagnostic for European DEMO	The Theatre (B) Hanns Gietl, Topic G: Synthetic heat flux and neutron irradiation test design for fusion reactor materials	The Space (C) Giacchino Micciché, Topic H: Development of the Remote Handling Integrated Test Campaigns of IFMIF-DONES Test Cell Components