33rd Symposium on Fusion Technology (SOFT 2024) 22-27 September 2024, The Helix, Dublin City University, Ireland SOFT 2024 Conference Schedule overview Wednesday 25-58p-24 Conference Registration & Poster Preparation

										OFT 2024 Conference Schedule overview							
Start End	Sund	-,	Monday			Tuesday				Wednesday			Thursday		Friday		
22-Sep-24			23-Sep-24			24-Sep-24				25-Sep-24		26-Sep-24			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)		
			P	court session 1. The manony h			richery session z. The Manon	· , · · · · ·		ricially 3ession 3. The manony nan			richary Jession 4. The manohy Hall		The Mahony Hall (A)	The Theatre (B)	The Space (C)
09:00 09:20							Phillipe Cara, F4E, Topic	l:		Ambrogio Fasoli, EUROfusion, Topic A:			Rosaria Villari, JET, Topic B:		Kieran McCarthy, Topic E:	Rui Dine, Topic G:	Irene Zammuto, Topic H:
			OPENING CEREMONY Welcome, Mahony Hall			Overview of the DONES Programme				EUROfusion's Vision for Advancing the European Fusion Energy Roadmap		Overview of Deuterium-Tritium nuclear operations at JET			TESPEL: a powerful tool for investigating impurity control in the plasma core of	Lessons learned from neutral-induced material erosion studies in EAST	Status of the project of the new upper Divertor in ASDEX Upgrade
09:20 09:30															magnetic confinement fusion devices	maternal erosion studies in EAST	unwritor in ASDEX Upgrade
09:30 09:40															Miroslaw Zlobinski, Topic E: In situ Tritium Retention Diaznostic using	Robert Lunsford, Topic G:	Gabriele Benzoni, Topic H: Remote Handling validation of the OPM-
09:40 09:50														In situ Tritium Retention Diagnostic using Laser-Induced Desorption: JET results and ITER outlook	Development of Solid Material Injectors for Supplemental Wall Conditioning and	QDS connecting system for the IFMIF-	
05.40 05.30			Th	Pietro Barabaschi, Iter Directo			n Coenen, Forschungszentrum Jü			Jean Paul Allain, DOE, Topic B: Building Bridges: A Vision for the US DOE Office of Fusion Energy Sciences		Rob Buckingham, UKAEA, Topic H:			ITER outlook	Discharge Enhancement	DONES Target Assembly
			The ITER Pro	oject: moving forward to an upd	sated pasëlinë	Navigating the Challe	Navigating the Challenges of First Wall Materials in ITER and Future Fusion Reactors			building bridges: A Vision for the US DOE Office of Fusion Energy Sciences		Maintenance Matters: considering plant operations from the outset of fusion machine design			Irene Álvarez-Castro, Topic E:	Juergen Rapp, Topic G:	Bojan Nemec, Topic H:
09:50 10:10														Computational assessment of signal from IFMIF-DONES High flux Test Module	MPEX project status and initial program for testing PFCs under fusion reactor	A Study of Bi-manual Maintenance Operations in the Tokamak Demonstration	
														diagnostics	conditions	Fusion Power Plant	
10:10 10:20															Daniel Dunai, Topic E:	Hanns Gietl, Topic G:	Gioacchino Miccichè, Topic H:
															Conceptual design of the divertor	Synergetic heat flux and neutron irradiation test design for fusion reactor	Development of the Remote Handling Integrated Test Campaign of IFMIF-DONES
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 toakmak development		Richard Pearson, Kyoto Fulomeering, Topic I: Tritium: High-level overview of key challenges for commercial fusion deployment Tel/Coffee Break			monitoring diagnostic for European DEMO	materials	Test Cell Components	
10:30 11:00														Tea/Coffee Break			
11:00 11:30			Tea/Coffee Break			Tea/Coffee Break				Tea/Coffee Break				Plenary Session 5: The Mahony Hall			
			Oral Session 1 (Morning)			Oral Session 2 (Morning)							Oral Session 3 (Morning)		,		
11:30 11:40			The Mahony Hall (A)	The Theatre (B)	The Space (C)	The Mahony Hall (A)	The Theatre (B)	The Space (C) Joelle Elbez-Uzan, Topic K:		European Commission Innovation SOFT prize ceremony, The Mahony Hall	88	The Mahony Hall (A)	The Theatre (B)	The Space (C)		onzalez, Regulation UK/US/Euro	
			Annika EKEDAHL, Topic G: Main achievements from operating an	Tamas Szepesi, Topic E: Visible video diagnostics for the support of	Anna Vu Trang, Topic D: Progress in the ITER Plasma Control System	Mu-Young Ahn, Topic I: Status of KO-EU joint development for	Simonetta Turtu, Topic F: The DTT Magnet System from Design to	Safety Approach and Demo Progress in Demonstration and Future Fusion Power	Safety	Deputy Director-General of DG RTD (EC), Joanna Drake		Gianfranco Federici, Topic A: (Tokamak-DEMO)EU DEMO Program Status	Simon Niemes, Topic I:	Alexander von Mäller, Topic J: Additive	Global c	current status of Safety Regulation	n for Fusion
11:40 12:00			actively cooled ITER grade W divertor on WEST	Wendelstein 7-X and JT-60SA commissioning and operation	design	HCCP TBM	Procurement and Test		rulfit			Update	Tritium Analytics and Related Accountancy Challenges	manufacturing for fusion components		Michael Tobin, Topic L:	
12:00 12:20			Jannik Tweer, Topic G: Repair of heat load damaged plasma-	Björn Brenneis, Topic E: Experiments on Specular Wavy Liquid	Bernhard Sieglin, Topic D: H-Mode density limit disruption avoidance	Keisuke Mukai, Topic I: Synthesis and evaluations of tritium	Jinggang Qin, Topic F: Design and manufacturing technology	Elodie BERNARD, Topic K: Overview of the TITANS (Tritium Impact and	Transfer			David Weisberg, Topic A: The Advanced Tokamak Fusion Pilot Plant: an	Pietro Arena, Topic I: Design of the WCLL BB in view of the Conceptual Design	Lee Packer, Topic J: Insights from neutron activation studies on	Beyond Ignition	: Xcimer Energy's Path to Comm	ercial Fusion Power
			facing material by direct energy deposition	Metal Surface of Selected Optical Distance Quentin Poticon, Topic E:	e in ASDEX Upgrade, TCV and JET	breeding performance of Li-Be hybrid	development of HTS CICC magnet for the	in Advanced Nuclear ReactorS) proje	ct	e		optimized and integrated conceptual design	phase	ITER materials at JET			
12:20 12:40			Sophie CARPENTIER, Topic G: Impact of plasma heat load specifications	Comparison of Solid-State Neutron Detectors for 14 MeV Neutron	Morten Lennholm, Topic D:	Robert Pearce, Topic I: Design, Development and Manufacture of	Hyunjung Lee, Topic F: Assessment of KSTAR Nb3Sn	Paul Humrickhouse, Topic K: Impact of coatings on decay heat and y	oste :			Thomas Brown, Topic A: The STAR power plant designed to balance	Jaap G van der Laan, Topic 1: Status of the activities on tritium behavior in thermal	Stefano Sgobba, Topic J: Lessons Learnt from Manufacturing - Foreing			
12.40			on the proposed ITER tungsten first wall design	Measurement under High Temperature up to 500°C	Burn relevant D-T mixture control at JET	the ITER Torus and Cryostat Cryopumps	superconducting magnet property under long-term operation	associated with fusion component		Poster Session 3		physics, engineering, and cost requirements	insulation materials and assemblies for ITER Test Blanket Systems	of Tokamak Components			
				to 500°C Pilar Cano Megias, Topic E:	1		Nikolay Bykovskiy, Topic F:	Priti Kanth, Topic K:	_	2						Sven Wiesen:Title TBC	
12:40 13:00			Axel Lorenz, Topic G: Completing the actively cooled first wall	Novel technique for main ion temperature measurements at the last rinced flox	e Filip Janky, Topic D: SOIPHIA: a tokamak simulator	Fumito Okino, Topic I: Enhanced deuterium extraction efficiency	Design, construction and test of high- current thermal switches using Nb-Ti and	Parameters affecting EU-DEMO radioactive generation and mitigation technique		8		BYUNG SU LIM, Topic A: Overcoming the challenges of the Future K-	Kecheng Jiang, Topic I: Progress on the design and related R&D activities for the	Adriano Pepato, Topic J: Metal Additive Manufacturing for the			
			for W7-X high heat flux plasma operation	surface using thermal neutrals		from LiPb droplets in a vacuum	MgB2 wires	o-merenon and minderson decreade				DEMO Superconductor Test Facility	novel solid-type PloxLiy breeding blanket for CFETR	Divertor Tokamak Test facility			
13:00 13:30																SOFT PhD Best Poster Prize Closing Ceremony	
			Lunch Break				Lunch Break					Lunch Break				Closing Ceremony	
13:30 14:30	13:30 14:30								Lunch Break								
14:30 15:30										Coach Transfers from the Helix to Glasnevin Cemetery							
			Poster Session 1			Poster Session 2					Poster Session	14 Viete					
15:30 16:00	15:30 16:00											Virtual Poster Session					
16:00 16:30			Tea/Coffee Break			Tea/Coffee Break 6			E				Tea/Coffee Break				
10.00 10.30			Oral Session 1 (Afternoon)			Oral Session 2 (Afternoon)			8				Oral Session 3 (Afternoon)				
			The Mahony Hall (A)			The Mahony Hall (A)	The Theatre (B)	The Space (C)	lery			The Mahony Hall (A)	The Theatre (B)	The Space (C)			
16:30 17:00	17:20		Vincenzo Narcisi, Topic I: Status of the EU DEMO Coolant Purification System activities	Petr Vondracek, Topic B: COMPASS Upgrade: from design to	Dirk Wünderlich, Topic C: CW beam extraction from the NBI test	Felix Warmer, Toglic Ac. Advances in Sellanator Physics and Engineering — more than just an afternative concept: Francisco Javier Fuentes, Tepic Ac. Best Practices and Methodology on Tokamak Dimensional Risk Management: ITER to DOMA Koji Takahashi, Topic Ac. Achievement of Pirst Plasma and	Wass Schmidt, Topic G: T-recention in tungsten and BURDFER and its influence on tribuns self-sufficiency Johann Riesch, Topic G: High heat flux testing of plasma-facing componists for the compact, high field tokamak SPARI, Robin SHUff, Topic G: TER HIF First Walf Full Scale Prototype	Benjamin EX, Fopic C Advancements in Gryeton Efficiency; From Single- to Multi-stage Depressed Collectors Cristinude is a Morena, Topic C Solid-state radiofrequency amplifier technology for fusion applications Munraek Chox, Topic C Cross-relatation of RF/Digital Simulation Cross-re	rial Session: The Galle	Group Excursion: Walking Tour Glasnevin Cemetery		Ashwini Kumar Mishra, Topic J: R&D journey of functionally graded	Application at it EN Monica Martinez Lopez, Topic F: TER Project Poloidal Field Colls Production Completion	n Gian Mario Polli, Topic B: Status of DTT construction			
				construction Status of the COMPASS Upgrade tokamak Daniele Agrile, Topic B: Progress on RFX-mod2 Vessel Complex assembly	facility ELISE: Approaching the ITER target values							tungsten/EUROFER coating for DEMO First Wall					
			Inesh Kenzhina, Topic I: Comparative analysis of high-temperature		Arthur Adriaens, Topic C:							Yiran Mao, Topic J:		Haridev Chohan, Topic B:			
17:00 17:20		SOFT 2024	corrosion processes of beryllides of		x An automatic matching system for the ICRF antenna at TOMAS Stefan Illy, Topic C: Design Concepts for Megawatt-Class Fusion							Demonstrating long tungsten fiber- reinforced tungsten composites as plasma-		Methodologies for Benchmark Experiments with Shielding Materials			
	The Helix, DCU:	International	different compositions									facing materials					
17:20 17:40	Conference Registration	Committee	Bradut-Eugen Ghidersa, Topic I: Experimental activities in support of the	George Sips, Topic B: The DIII-D National Fusion Facility,								Motoki Nakajima, Topic J: Effects of magnetic force and magnetic field	Kazuya Hamada, Topic F: Superconducting magnet operation in JT-60SA integrated	Luka Snoj, Topic B: id KATANA facility for ITER relevant water			
27.40	negistration	Meeting (Closed meeting)	EU-DEMO Helium Cooled Pebble Bed Blanket design and qualification	supporting ITER and the Reactor Path	Gyrotrons Operating at the Second Harmonic of the Cyclotron Frequency	Successful Integrated Commissioning in JT- 60SA	manufacturing and testing	Tools for Advanced Engineering Design of EC Equatorial Launcher in ITER	dust			orientation on corrosion products precipitated on F82H	commissioning test	activation experiments			
			Remi Delaporte-Mathurin, Topic I:		Rosa Difonzo, Topic C:	Paul Staniec, Topic A:	Garreth Assinall Their G		프								
17:40 18:00			Advancements in Tritium Breeding: towards achieving self-sufficiency in	Louis Butt, Topic B: Design and validation of a fusion neutron	Investigation and optimization of innovative	Lessons Learnt from AGHS supporting JET for the DTE2/DTE3 campaigns:	Putting the Sun in a Box: An Industry Perspective on the Design and	Shawn Tang, Topic C: Results from the High-Power Helicon				Dmitry TERENTYEV, Topic J: Development of irradiation and high-	Alessandro Lampasi, Topic F:	Sara Perez-Martin, Topic B: HELOKA-US Project: towards the verification			
17:40 18:00			Fusion Power Plants through Liquid Immersion Blanket Concept	Design and validation of a fusion neutron source at the Birmingham MC40 cyclotron	TPMS-based cooling system for the resonant cavity of gyrotrons for fusion	Operational Limitations, Bottlenecks, and Impact of Completed/Outstanding	Manufacture of Plasma Facing	Current Drive System at DIII-D				temperature resistant steels for fusion applications	Tests of power supply and fast discharge unit for the Frascati Coil Cold Test Facility	of a DEMO-based conventional power plant technology			
					application	Upgrades	Components										
18:00 18:30 18:30 19:00			Coach transfers from the Helix to Croke Park										oach Transfer from the Helix to Guiness Stor	rehouse			
19:00 19:30	19:30 20:00																
19:30 20:00				SOFT 2024 Welcome Recept	tion:												
20:00 20:30				Croke Park, Dublin								Social Dinner: Guinness Storehouse					
20:30 21:00 21:30																	
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