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

Draft Programme Outline_20-06-2024_V0.1

Wednesday

Start End Sunday			Monday			Tuesday				Wedn	Thursday			Friday			
22-3ep-24		ep-24	23-Sep-24		24-Sep-24			25-Se		26-S	ep-24		27-Sep-24				
08:00 09:00	08:00 09:00		Conference Registration & Poster Preparation			Conference Registration & Poster Preparation			Conference Registratio								
		[Plenary Session 1: The Mahony Hall			Plenary Session 2: The Mahony Hall				Plenary Session 3: The Mahony Hall		Plenary Session 4: The Mahony Hall			Oral Session 4 (Morning)		
		j												The Mahony Hall (A)	The Theatre (B)	The Space (C)	
09:00 09:20							Phillipe Cara, F4E, Topic	l:		Ambrogio Fasoli, EURO	Ofusion, Topic A:		Rosaria Villari, J	ET, Topic B:	Kieran McCarthy, Topic E:	Rui Ding, Topic G:	Irene Zammuto, Topic H:
			OPEN	ING CEREMONY Welcome. Maho	ony Hall		Overview of the DONES Progr			EUROfusion's Vision for Advancing the E		Oven		nuclear operations at JET	TESPEL: a powerful tool for investigating impurity control in the plasma core of	Lessons learned from neutral-induced	Status of the project of the new upper
09:20 09:30	1		OPEN	common vectorie, iviano	,		-								impurity control in the plasma core of magnetic confinement fusion devices	material erosion studies in EAST	Divertor in ASDEX Upgrade
09:20 09:30																	
09:30 09:40		ļ													Miroslaw Zlobinski, Topic E: In situ Tritium Retention Diagnostic using	Robert Lunsford, Topic G: Development of Solid Material Injectors	Gabriele Benzoni, Topic H: Remote Handling validation of the OPM-
09:40 09:50		ļ													Laser-Induced Desorption: JET results and	for Supplemental Wall Conditioning and	QDS connecting system for the IFMIF-
33.40 09.30				Pietro Barabaschi, Iter Director			n Coenen, Forschungszentrum Jü			Jean Paul Allain, D			Rob Buckingham, UKAEA, Topic H:		ITER outlook	Discharge Enhancement	DONES Target Assembly
		ļ	The ITER Pr	oject: moving forward to an upda	ated baseline	Navigating the Challe	nges of First Wall Materials in IT	ER and Future Fusion Reactors		Building Bridges: A Bold Vision for the Fusion	on Energy Sciences Program in the U.S.	Maintenance Matters:	considering plant operation	ons from the outset of fusion machine design	Hugo Bajas, Topic E:	1	Ä
		ļ													Innovative Fiber Optic Sensors for Enhance	JuergeniRapp, Topic G: d MPEX project status and initial program	Bojan Nemec, Topic H: A Study of Bi-manual Maintenance
09:50 10:10		ļ													Temperature Monitoring and Quench detection in High Temperature	for testing PFCs under fusion reactor	Operations in the Tokamak Demonstration
	1														Superconducting coil	conditions	Fusion Power Plant
10:10 10:20		ļ														Hanns Gietl, Topic G:	Alessandro Lo Bue, Topic H:
	1	ŀ													Andrea/Muraro, Topic E: Enhancement of the GEM based soft x ray	Synergetic heat flux and neutron	Application of Virtual Fitting in the
10:20 10:30		ļ	Hiroshi Shirai, QST: Overview of Japanese Fusion Strategy			Samuele Dal Bello, Consorzio RFX, Topic C:			Lu Kun, IPP China, Topic B:		Richard Pearson, Kyoto Fusioneering, Topic I:			diagnostic system at MAST-U	irradiation test design for fusion reactor materials	Manufacturing of the ITER European Vacuum Vessel Sectors	
40.00 41.51	1	ļ					Recent results and prospects of the ITER Neutral Beam Test Facility (NBTF)			Recent progresses of CN superconducting toakmak development		Tritium: High-level overview of key challenges for commercial fusion deployment					
10:30 11:00		ļ				(100)			FO		ingili reversite and any analonges for commercial resion deployment				Tea/Coffee Break		
11:00 11:30		ļ	Tea/Coffee Break			Tea/Coffee Break				Tea/Coffee Break		Tea/Coffee Break			Plenary Session 5: The Mahony Hall		
			Oral Session 1 (Morning)			Oral Session 2 (Morning)											
11:20 11:40	11:40		The Mahony Hall (A) The Theatre (B) The Space (C)			The Mahony Hall (A) The Theatre (B) The Space (C)					Oral Session 3 (Morning) The Mahony Hall (A) The Theatre (B) The Space (C)			Sehila Gonzalez, Regulation UK/US/Europe, Topic K:			
11:30 11:40			Annika EKEDAHL, Topic G:	Tamas Szepesi, Topic E:	Anna Vu Trang, Topic D:	Mu-Young Ahn, Topic I:	Simonetta Turtu, Topic F:			European Commission Innovation SOFT	prize ceremony, The Mahony Hall	Gianfranco Federici, Tonic A:			Global	current status of Safety Regulation	on for Fusion
			Main achievements from operating an actively cooled ITER grade W divertor on	Visible video diagnostics for the support of Wendelstein 7-X and JT-60SA	Progress in the ITER Plasma Control System	Status of KO-EU joint development for	The DTT Magnet System from Design to	Joelle Elbez-Uzan, Topic K: Demo Safetiv Analysis				(Tokamak-DEMO)EU DEMO Program Statu	Simon Niemes, Tritium Analytics and Related A				
11:40 12:00		ļ	WEST Jannik Tweer, Topic G:	commissioning and operation	design	HCCP TBM	Procurement and Test					Update				Marco Wischmeier, IPP, Topic	
12:00 12:20		ſ	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	Kelsuke 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 as	nd Transfer			David Weisberg, Topic A: The Advanced Tokamak Fusion Pilot Plant: a	Pietro Arena, an Design of the WCLL BB in view of	Topic I: Lee Packer, Topic J: f the Conceptual Design Insights from neutron activation studies on	Power a	nd Particle Exhaust Physics for Fu	sion Reactors
12.00 12.20		ļ	facing material by direct energy deposition	Metal Surface of Selected Optical Distance	in ASDEX Upgrade, TCV and JET	breeding performance of Li-Be hybrid	development of HTS CICC magnet for the	in Advanced Nuclear ReactorS) pro	ject			optimized and integrated conceptual design	n phase	ITER materials at JET			
			Sophie CARPENTIER, Topic G:	Quentin Potiron, Topic E: Comparison of Solid-State Neutron	9	RobertiPearce, Topic I:	Walid ABDEL MAKSOUD, Topic F:	Paul Humrickhouse, Topic K:	9			Thomas/Brown, Topic A:	Jaap G van der La		5		
12:20 12:40	2:20 12:40		Impact of plasma heat load specifications on the proposed ITER tungsten first wall	Detectors for 14 MeV Neutron	Morten Bennholm, Topic D: Burn relevant D-T mixture control at JET	Design, Development and Manufacture of	French HTS superconducting magnets	Impact of coatings on decay heat and wa				The STAR power plant designed to balance	Status of the activities on tritic	m behavior in thermal Lessons Learnt from Manufacturing - Forging	₫		
		ļ	design	Measurement under High Temperature up to 500°C	in the second se	the ITER Torus and Cryostat Cryopumps	"SupraFusion" development program	associated with fusion componer	nts 🚅	Poster Sessi	ion III	physics, engineering, and cost requirement	System:		₽	Susana Reyes, Topic L:	
	1	ļ		Pilar Cano Megias, Topic E:	į ž		Nikolav Bykovskiv, Topic F:	Shutaro Takeda, Topic K:	ž						Beyond Ignitio	n: Xcimer Energy's Path to Comm	ercial Fusion Power
12:40 13:00			Axel Lorenz, Topic G: Completing the actively cooled first wall	Novel technique for main ion temperature	Filip Janky, Topic D:	Kristin Skrecky, Topic I:	Design, construction and test of high-	Social License for Fusion Energy: A Global	Survey on o-pay			BYUNG SU LIM, Topic A: Overcoming the challenges of the Future K	Kecheng Jiang, Progress on the design and relat		2		
12:40 13:00			for W7-X high heat flux plasma operation	measurements at the last closed flux surface using thermal neutrals	SOPHIA: a tokamak simulator	Tritium Fuel Cycle Modelling	current thermal switches using Nb-Ti and MgB2 wires	Public Awareness and Willingness-to	o-pay o			Overcoming the challenges of the Future K DEMO Superconductor Test Facility	Progress on the design and relat novel solid-type PbxLiy breed		2		
				surrace using thermal neutrals			Mgsz wires						1			COFF DI D D D	
13:00 13:30																SOFT PhD Best Poster Prize	
	- 			Lunch Break		Lunch Break			Lunch Break			Lunch Br	eak		Closing Ceremony		
13:30 14:30		ļ	Luiicii Dicak				Lunch Break					Lunch Break					
14:30 15:30		j								Coach Transfers from the Helix to Glasnevin Cemetery							
	15:30 16:00		Poster Session I				Poster Session II				·	Poster Session	Poster Session IV Virtual Poster Session				
15:30 16:00																	
		ļ									Public Outreach Event						
16:00 16:30	:00 16:30		Tea/Coffee Break				Tea/Coffee Break					Tea/Coffee Break					
			Oral Session 1 (Afternoon)			Oral Session 2 (Afternoon)						Oral Session 3 (Afternoon)					
			The Mahony Hall (A) The Theatre (B)		The Space (C)	The Mahony Hall (A) Felix Warmer, Topic A:	The Theatre (B) Klaus Schmid, Topic G:	The Space (C) Benjamin Ell, Topic C:				The Mahony Hall (A)	The Theatre (B) The Space (C)				
16:30 17:00	5:30 17:00		Vincenzo Narcisi, Topic I:	Petr Vondracek, Topic B:					E			Ashwini Kumar Mishra, Topic J:	Hong SHEN, T	spic F:			
			Status of the EU DEMO Coolant	COMPASS Upgrade: from design to construction Status of the COMPASS	Deirdre Boilson, Topic C: ITER heating systems and the new baseline	Advances in Stellarator Physics and Engineering – more than just an	T-retention in tungsten and EUROFER and	Advancements in Gyrotron Efficiency: From Single- to Multi-stage Depressed	sic	Group Excursion: Walking Tour Glasnevin		R&D journey of functionally graded tungsten/EUROFER coating for DEMO First	High Current IGBT Voltage Sour	e Converters for Fusion Gian Mario Polli, Topic B:			
			Purification System activities	Upgrade tokamak	9 1	alternative concept®	its influence on tritium self-sufficiency	Collectors	Ses	Cemetery		Wall	Application a	ITER			
			Inesh Kenzhina, Topic I:	Mattia Siccinio, Topic B:	Arthur Adriaens, Topic C:	Francisco Javier Buentes, Topic A:	Johann Blesch, Topic G:	Cristinade la Morena, Topic C:	a			Yiran Mao, Topic J:		Haridev Ehohan, Topic B:			
17:00 17:20			Comparative analysis of high-temperature corrosion processes of beryllides of	Physics Basis of a Volumetric Neutron Source (VNS) for component testing and	An automatic matching system for the ICRF	Best Practices and Methodology on Tokamak Dimensional Risk Management:	High heat flux testing of plasma-facing components for the compact, high field	Solid-state radiofrequency amplifier	stri			Demonstrating long tungsten fiber- reinforced tungsten composites as plasma	MonicalMartinez Lo	pez, lopic F: Methodologies for Benchmark Experiments			
		SOFT 2024	different compositions	qualification	antenna at TOMAS	ITER to DEMO	tokamak SPARC	technology for fusion applications	ğ			facing materials	roject roioidar rield Colls	Production Completion with Shielding Materials			
	The Helix, DCU: Conference	International	Bradut-Eugen Ghidersa, Topic I:	George Sips, Topic B:	Dirk Wünderlich, Topic C:	Koji Takahashi, Topic A:	Robin Shuff, Topic G:	Munseok Choe, Topic C:2	드			MotokiiNakajima, Topic J:	Kazuva Bamada	Topic F: Luka Snoj, Topic B:			
17:20 17:40	Conterence Registration	Committee	Experimental activities in support of the EU-DEMO Helium Cooled Pebble Bed	The DIII-D National Fusion Facility,	CW beam extraction from the NBI test facility EUSE: Approaching the ITER target	Achievement of First Plasma and Successful Integrated Commissioning in JT-	ITER NHF First Wall Full Scale Prototype	Cross-validation of RF/Optical Simulation Tools for Advanced Engineering Design of				Effects of magnetic force and magnetic field orientation on corrosion products	d Superconducting magnet operat	on in JT-60SA integrated KATANA facility for ITER relevant water			
	negistration	Meeting (Closed meeting)	EU-DEMO Helium Cooled Pebble Bed Blanket design and qualification	supporting ITER and the Reactor Path	facility ELISE: Approaching the ITER target values	Successful Integrated Commissioning in JT- 60SA	manufacturing and testing	Tools for Advanced Engineering Design of EC Equatorial Launcher in ITER				orientation on corrosion products precipitated on F82H	commissionir	g test activation experiments			
		,	Remi Delaporte-Mathurin, Topic I:			Paul Paul Co. C. C.							1				
			Remi Delaporte-Mathurin, Topic I: Advancements in Tritium Breeding:	territoria e con	Character Co.	Paul Staniec, Topic A: Lessons Learnt from AGHS supporting JET	Garreth Aspinall, Topic G:	Rosa Difonzo, Topic C:				Dmitry@TERENTYEV, Topic J:		Sara Perez-Martin, Topic B:			
17:40 18:00			towards achieving self-sufficiency in	Louis Butt, Topic B: Design and validation of a fusion neutron	Shawn Tang, Topic C: Results from the High-Power Helicon	for the DTE2/DTE3 campaigns:	Putting the Sun in a Box: An Industry Perspective on the Design and	Investigation and optimization of innovative TPMS-based cooling system for				Development of irradiation and high-	Alessandro Lampa Tests of power supply and fas	si, Topic F: HELOKA-US Project: towards the verification			
			Fusion Power Plants through Liquid Immersion Blanket Concept	source at the Birmingham MC40 cyclotron	Current Drive System at DIII-D	Operational Limitations, Bottlenecks, and Impact of Completed/Outstanding	Manufacture of Plasma Facing	the resonant cavity of gyrotrons for fusion				temperature resistant steels for fusion applications	Frascati Coil Cold	est Facility of a DEMO-based conventional power plant technology			
						Upgrades	Components	application									
18:00 18:30													•				
18:30 19:00			Coach transfers from the Helix to Croke Park							I		Coach Transfer from the H	elix to Guiness Storehouse				
19:00 19:30										1							
19:30 20:00			SOFT 2024 Welcome Reception: Croke Park, Dublin														
20:00 20:30		ļ															
20:30 21:00		ļ		Croke Park, Dublin													
21:00 21:30		ļ											Social Dinner: Gu	nness Storehouse			
21:30 22:00																	
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