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	<u>2023 9 11</u> <u>2023 9 15</u>				
	30 IEEE Symposium On Fusion Engineering (SOFE)				
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	IEEE	SOFE	2023 SOFE		
	No. 2022a05020033		E25B0GG35A1		
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IEEE Symposium on Fusion Engineering (SOFE)

SOFE

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Heating and current drive Divertors and plasma facing components Diagnostic and instrumentation
Tritium breeding blankets Next step devices, DEMOs, Power plants & socio-economic studies (Design
studies) Safety, regulation and neutronics Materials (Plasma Facing, magnets, structural, functional,
qualification process) Tokamak and non-Tokamak fusion experiments (including operations, plasma and
magnets engineering) Plant efficiency, power management and control operation and maintenance,
remote handling and RAMI Virtual engineering, Systems integration and Project Management Tritium
fuel Cycle, fueling, exhaust, and W

ITER				
2023		" First plasma"	" Early stage"	
ITER			" Recent EAST experimental results and CRAFT R&D	
progress for CFETR in China"			EAST	310s
H	10MW		2021	400s
H			CFETR	
	CRAFT	CFETR		CRAFT
		15T	Nb3Sn/NbTi	CORC
			CFETR	CICC
				CFETR
		1000		CFETR 1/8
		ITER	CFETR	
BEST			CFETR	
	Alberto Ferro		" Overview on the applicability of the ITER/NPP-like	
technologies to the DEMO Plant Electrical System and promising alternatives"				
		DEMO	PES	
		PTG	PES	CPS
				TG CPS
	DEMO		ECS	
ECS	PTG		ITER/NPP	DEMO PES
		ITER		
DEMO		NPP	TG	DEMO
	2023 SOFE			