8:30	9:00 Registration		
9:00	9:10 Welcome address from Manchester	TBC	
9:10	9:20 Welcome address from NEA/ Chair of the SAC	TBC	
9:20	9:30 Introductory presentation	J Marrow	
9:30	10:00 Industrial Perspectives of Gen IV Nuclear Fission	M. Blat (EDF, France)	
	SESSION I: OVERVIEW OF PROGRAMMES	CHAIR TBC	
	The Joint Programme on Nuclear Materials of the European Energy Research Alliance: Coordinating		
10:00	10:20 Gen IV reactor materials research for a low carbon Europe	L Malerba (JPNM)	
10:20	10:40 Materials' Innovations for a Safe and Sustainable nuclear in Europe (FP7 MatISSE project)	A. Michaux (MatISSE)	
10:40	11:00 Overview of MEGAPIE	Y. Dai (PSI, Switzerland)	
11:00	11:30 COFFEE	() o , o	
	The main outcomes of the IAEA Coordinated Research Project "Accelerator Simulation and Theoretica	ıl	
11:30	11:50 Modelling of Radiation Effects" (CRP SMoRE)	M. Veshchunov (IAEA)	
11.50	11.30 Wodelling of Nadiation Effects (CNI SWONE)	Wi. Vesticitation (IALA)	
11:50	12:20 GIF VHTR materials	R. Wright (USA)	
11.50	Medium and Long-term RCC-MRx Code Evolution and associated R&D needs for Innovative Reactors	wright (OSA)	
12:20	12:40 (CEN WS-64 Phase 2, PG2)	K-F. Nilsson (JRC- Petten)	
12:20 12:40	13:00 Discussion on Session I	N-1. INIISSOII (JNC- PELLEII)	
13:00	14:00 LUNCH SESSION II: METAL ALLOYS	CHAIR TBC	
		CHAIN IDC	
44.00	Development and characterization of diffusion-bonded Fe- and Ni-base alloys for the application in	C. Lead WAIGT W.	
14:00	14:20 the advanced high temperature reactor systems	C. Jang (KAIST, Korea)	
14:20	14:40 Development of Advanced Ferritic Steels for Fast Reactor Applications	S. Maloy (LANL, USA)	
	The importance of the standard materials the dissellation of the d		
	The importance of the steel microstructure in the dissolution corrosion behaviour of 316L austenitic	W. L. J. (25) 550 - 1 - 1	
14:40	15:00 stainless steels in static LBE	K. Lambrinou (SCK-CEN, Belgium)	
15:00	15:20 Testing and assessment methodologies for determining 1515-Ti fuel cladding material properties	K-F. Nilsson (JRC-Petten, EC)	
15:20	15:40 COFFEE		
15:40	16:00 Phase Stability in an Ion Irradiated Haynes 230 at High Temperatures	O. Anderoglu (LANL, USA)	
16:00	16:20 Corrosion resistance of 316H and Super304 austenitic steels in supercritical water	L. Nádherný (Rez, Czech Rep.)	
16:20	16:40 A Swelling Model for Fast-Reactor Cladding Materials	A. Courcelle (CEA, France)	
16:40	17:00 Discussion on Session II		
iesday 12 July 2			
	SESSION IIIa: NOVEL MATERIALS PATHWAYS	CHAIR TBC	
9:00	9:30 ODS steels R&D for application to advanced nuclear systems	A. Kimura (Kyoto, Japan)	
9:30	9:50 Influence of the plastic deformation on the recrystallization of Ferritic ODS alloys	B. Hary (CEA, France)	
9:50	10:10 Report on creep and LCF-Data on ODS-Materials for GEN IV-Reactors	A. Hobt (Uni. Stuttgart, Germany)	
10:10	10:30 Microstructural and mechanical behavior of ODS bars and tubes	E. Oñorbe (CIEMAT, Spain)	
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10:10 10:30	10:30 Microstructural and mechanical behavior of ODS bars and tubes 11:00 COFFEE	E. Oñorbe (CIEMAT, Spain)	
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10:30 11:00 11:30	11:00 COFFEE 11:30 Radiation Resistance of Several Novel Structural Materials Systems 11:50 MAX phase-based materials for advanced nuclear systems	S. Zinkle (Uni. Tennessee, USA) T. Lapauw (KU Leuven, Belgium)	
10:30 11:00 11:30 11:50	 11:00 COFFEE 11:30 Radiation Resistance of Several Novel Structural Materials Systems 11:50 MAX phase-based materials for advanced nuclear systems 12:10 Ion irradiation-induced structural transitions and amorphization tolerance in Mn+1AXn phases 	S. Zinkle (Uni. Tennessee, USA) T. Lapauw (KU Leuven, Belgium) Y. Wang (Peking Uni., China)	
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Wednesday 13 July 2016

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	SESSION IV: FUSION MATERIALS	CHAIR TBC	
9:00	9:30 Cryogenic structural materials of the ITER Toroidal Field Coil structure	M. Igushi (JAEA, Japan)	
9:30	10:00 Predicting the behaviour of tungsten as a structural material for fusion	D Mason (CCFE, UK)	
10:00	10:20 Discussion on Session		
10:20	10:50 COFFEE		
	SESSION V: CERAMICS AND CERAMIC COMPOSITES	Chair TBC	
10:50	11:10 Joining of Silicon Carbide Assemblies for Application in High Temperature Power Engineering	W. Lippmann (Uni. Dresden, Germany)	
11:10	11:30 In-service enhancement of nuclear nanoceramics	F. Garcia-Ferré (Istituto Italiano do Tecnologia, Ita	ly)
11:30	11:50 In situ observation of mechanical damage in a GFR SiC-SiCfibre ceramic composite	J. Marrow (Uni. Oxford, UK)	
11:50	12:10 Characterising the mechanical properties of SiC fibre-SiCCVI composites	N. Robheck (Uni. Manchester, UK)	
12:10	12:30 Discussion on Session		
12:30	13:30 LUNCH		
	SESSION VI: FUNDAMENTALS and IONS VS NEUTRONS	CHAIR TBC	
13:30	13:50 Cold brittleness and fracture of metals with different crystal lattices	V. Chernov (Bochvar Institute, Russia)	CANCELLED
	Ab initio trained neural-network driven kinetic Monte Carlo simulations of microstructure evolution of	of	
13:50	14:10 irradiated iron alloys	L. Messina (KTH, Sweden)	
	Multi-scale simulation of the experimental response of ion-irradiated zirconium carbide: role of		
14:10	14:30 interstitial clustering	J-P. Crocombette (CEA, France)	
14:30	14:50 Microstructural similarities and differences between neutron, ion and electron irradiation of Fe-Cr	C. Pareige (CNRS, France)	
14:50	15:10 Investigation into neutron and ion irradiated tungsten	R. Abernethy (Uni. Oxford, UK)	
15:10	15:30 Discussion on Session		
15:30	16:00 COFFEE		
	Session VII: Poster session on Fundamentals & Ceramics & Ions vs Neutrons	CHAIR TBC	15 posters in tota
16:00	17:30 Presentations (3 minutes each): 22 posters (allowinng for change-over)		
17:30	19:00 Poster Session and Drinks		

Thursday 14 July 2016

	SESSION VIII: Discussion on Ion vs. Neutron Irradiation	CHAIR TBC			
9:00	9:30 Accelerated Irradiation for Emulation of Radiation Damage in Reactor	G. Was (Uni. Michigan, USA)			
Neutron-ion correlation/Use of self-ion irradiation to forecast the void swelling behavior of					
9:30	10:00 candidate ferritic-martensitic	F. Garner (DSL Extreme, USA)			
10:00	10:30 electron irradiation as a simulation of neutron irradiation	J. Henry (CEA, France)			
10:30	10:45 COFFEE				
10:45	12:15 Panel Discussion				
12:15	13:00 Meeting Summary from the session chairs	CHAIR TBC			
13:00	13:30 Open discussion				
13:30	13:45 Closing speech (10 mins)	J. Marrow/ G Burke?			