

Main room

UK time	Day 1: 22nd May 2023
9:00	Welcome to ECCC2023 - P. Barnard
9:15	93 - Plenary 001: the ECCC history and current activities: the value of the work that we do for the introduction and use of newer materials: A Di Gianfrancesco (Chair of ECCC)
9:45	71 - Plenary 002: Energy sustainability and the need for a balanced approach to ensure adequate energy security: A. Minchener (IEA) UK
10:15	67 - Plenary 003: The status and forecast of US Advanced UltraSuperCritical fossil fuel power plants. R. Purgert (Energy Industries of Ohio), H. Hack (EPRI) USA
10:45	Coffee break
11:15	65 - Plenary 004: Martensitic steels for fusion applications in ITER: Status for EUROFER97 steel: P. Lamagnère - CEA France
11:45	91 - Plenary 005: The Need for a Paradigm Shift in High Temperature Design of Nuclear Reactors: Kalle Nilsson (JRC Petten – NL)
12:15	66 - Plenary 006: The Energy Production in South America: status and future projects for hydro, renewable, fossil fuel and gas turbine plants. T. Perez (National Engineering Academy - Energy Commission)

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12:45	Lunch
	CSEF 1
14:15	82 - Creep Resistant Martensitic Steels for Operation at High-Temperatures in Power Generation Applications - M. Detrois, J.A. Hawk, P.D. Jablonski - USA
14:45	6 - An Update on the Development of the UK MarBN steel, IBN1 - S. Lockyer - UK
15:15	81 - M625 - a new creep resistant martensitic 10%Cr steel for forgings - J.Hald, T. Neddemayer - DK, DE
15:45	Coffee break
	CSEF 2
16:15	78 - Creep and Creep-Fatigue interaction for rotor material made of MarBN (Howeflex) - T.-U. Kern, M. Schwienheer, G. Maier - Germany
16:45	41 - Influence of Grain Size on Creep Behaviour of high Cr Martensitic Heat Resistant Steels for Steam Power Plant Application - B. Kocdemir, T.-U. Kern, A. Putschoegl - Germany
17:15	37 - Influence of manufacturing process parameters on 9-12% Cr Creep Enhanced ferritic steel in long term performance - M. Ortolani, A. Ferrara, R. Locatelli - Italy
17:45	end of first day - Scottish Experience

2nd room

12:45	Lunch
	Nuclear 1
14:15	44 - What's new for the creep analyses in the next 2022 RCC-MRx edition - C. Petesch, T. Lebarbé, P. Lamagnère, Y. Lejeail - France
14:45	8 - Numerical Simulations towards Design Verification of Sodium to Sodium Heat Exchanger Tubes for FBR Application - G. Gupta, A.K. Sharma - India
15:15	11 - Thermal creep properties of virgin and irradiated cladding tubes made of Ti-stabilized DIN 1.4970 (15-15Ti) austenitic stainless steel - S. Holmström, R. Delville, D.Terentyev - Belgium
15:45	Coffee break
	Nuclear 2
16:15	54 - Effect of material inhomogeneity and crack driving force for the case of OM-OM and UM-OM interface - R. Upadhyaya, A. Tiwari - India
16:45	10 - Prediction of 'effective' corrosion rates by in-situ internal pressure creep testing in LBE for Ti-stabilized DIN 1.4970 (15-15Ti) austenitic stainless steel cladding tubes - S. Holmström, E. Stergar, S. Gavrilov, V. Tsisar, J. Joris, E. L. Maia - Belgium
17:15	85 - Understanding creep behaviour of 316LN welds for sodium-cooled fast reactor applications – link between creep properties and microstructure - A. Facco - France
17:45	end of first day - Scottish Experience