

Main room	
Day 3: 24th May 2023	
Creep	
8:30	55 - Creep Rupture Data Assessment - new uncertain challenges require new uncertain answers - M. Schwienheer, F. Kölzow - Germany
9:00	15 - Crack driving forces under creep conditions in presence of material inhomogeneity - A. Tiwari, A. Kumar Mishra - India
9:30	3 - Review of the New Developments in Understanding Creep - M. E. Kassner - USA
10:00	7 - Anisotropy and Secondary Creep Behavior of Functionally Graded Cylinders under Plane Stress - T. Singh, G. Kohli - India
10:30	Coffee break
Welding 1	
11:00	61 - Variability in the Performance of Grade 91 Longitudinally Seam-Welded Components - A. Bridges, J. Siefert - USA
11:30	47 - Type IV cracking behavior of P92 welded joint used in China power plants - J. Li, K. Gao, C. Che, X.Z. Chen, X.W. Liao, Y. Xiang - China
12:00	4 - Metallographic analysis of the Type IV damaged HAZ with reference to the Electromagnetic (EM) inspection technology - Y. Hasegawa, J.W. Wilson, D.J. Allen, T. Peyton, A. Shibli, M. Kodama
12:30	84 - Analysis of ECCS Cross-Weld Creep Test Data on Grade 92 - D. J. Allen - UK
13:00	Lunch
Welding 2	
14:15	43 - Welding P91 Steel with Nickel-Based Weld Metal - S J Brett - UK
14:45	68 - Matching filler development and welding procedure optimization for the Thor® 115 CSEF steel grade - T. Melfi, A. Ferrara, M. Ortolani - IT-USA
15:15	76 - Practical experience with electron beam welding of steel assigned for power industry - K. Kwieceński, H. Purzyńska, M. Urzyncok, A. Zieliński, M.S. Węglowski, P. Śliwiński, R. Jachym - Poland
15:45	99 - Creep Behaviour and Microstructure Evolution in Super 304H-P92 Heterogeneous Welds - V. Vodárek, Z. Kuboň, R. Palupčíková, K. Hradečný, S. Langer, P. Váňová - CZ
16:15	Coffee break

2nd room	
Day 3: 24th May 2023	
Miniature tests	
8:30	1 - The status and forecast of lifetime assessment using small samples in Japan for fossil fuel power plants - Masatsugu YAGUCHI, Shin-ichi KOMAZAKI - Japan
9:00	42 - Creep Property Assessment of Service-Exposed 2.25Cr-1Mo Steel Boiler Piping by Small Punch Test - S. Komazaki, K. Murakami, T. Mitsueda - Japan
9:30	52 - Development of creep model for large stress range and application to small punch creep - D. Baraldi, K.-F Nilsson, S. Holmström, I. Simonovski - JRC, BE
10:00	13 - Mechanical properties assessment of additively manufactured Ti64 alloy using Small Punch Tests - M. Lalé, B. Viguier - France
10:30	Coffee break
Miniature tests	
11:00	20 - Long-term Isothermal Ageing of Type N and Type K mineral insulated metal sheathed (MIMS) thermocouples - M.S. Loveday, D. McLennon, T. Ford, T. Fry, M. Brooksd, P. Mildeovad, D. Tuckerd - UK
11:30	53 - Application of a new creep model for large stress range to finite element analyses of small punch test - K.-F Nilsson, D. Baraldi, S. Holmström, I. Simonovski - JRC, BE
12:00	56 - Geometrical Dependence of Creep Deformation in Miniature Small Punch Test - R. Gupta, K. Kumar, A. Tiwari - India
12:30	88 - Creep crack-growth behaviour in miniature and standard size compact tension geometries - Calvert, De Andres, Davies - UK
13:00	Lunch
Special testing	
14:15	34 - On the description of stress relaxation by means of creep models based on standard and non-standard validation experiments - M. M. Khan, C. Kontermann, M. Oechsner - Germany
14:45	70 - CEN Workshop Agreement on Impression Creep – Round Robin Testing - J H Rantala, W Sun, J Eaton-McKay, A Bridges, S J Brett - FL-UK-USA
15:15	74 - Uniform Elongation Measurements on Creep Specimens by a Novel 3D-Scanning System - C. Kontermann, A. Erbe, V. Knauth, M. von Buelow, T.-U. Kern, M. Oechsner - Germany
15:45	90 - INTERLABORATORY STUDY (ILS) On Load-Controlled Creep Test Using The Creep Reference Material – CRM-425 - S. Budano et al - Italy
16:15	Coffee break

3rd room	
Day 3: 24th May 2023	
Fatigue and Creep-Fatigue	
8:30	59 - Creep-Fatigue Life Estimation of Circumferential Welds in Thermal High Energy Piping System - I. Nonaka - Japan
9:00	86 - Creep Fatigue Component Testing in the High Temperature Test Loop HWT - A. Klenk, M. Huang, T. Bender, K. Metzger - Germany
9:30	48 - Fatigue and creep-fatigue behavior of martensitic/ferritic steels and nickel-based alloys and their welded joints at the temperature range 500°C-750°C - O. Daniel, A. Gotti, F. Kauffmann, A. Klenk, S. Weihe - IT, DE
10:00	64 - Creep Deformation and Rupture Behaviour of Mod.9Cr-1Mo Steel Under Variable Loading - S. Zhang, Y. Takahashi - Japan
10:30	Coffee break
Fatigue and Creep-Fatigue 2	
11:00	17 - Cyclic Softening Behaviour of CSEF Steels under Load-controlled Low Cycle Fatigue at Elevated Temperatures: Ratcheting & Constraint Effect - R. Ragab, Y. Pang, T. Liu, N. Neate, M. Li, W. Sun - UK, China
11:30	23 - Effect of Overload on Deformation, Crack Growth Behavior and Crack Initiation/Growth Lives of a C(T) Specimen for 12Cr Steel under Creep-Fatigue Condition - G. OZEKI, A. T. YOKOBORI Jr, D. KOBAYASHI - Japan
12:00	46 - Finite element analysis on stress field of T91/TP347H dissimilar steel welded joints under deep load changing - L. Jie, C. Chang, L. Feng, Y. Jianming, X. Yong - China
12:30	72 - Treatment of creep-fatigue for Type 316L stainless steel components & piping in 700°C thermal energy storage system - H-Y Lee, J. Yoon, H. Kim, J. Eoh - South Korea
13:00	Lunch
Fatigue and Creep-Fatigue 3	
14:15	22 - Investigations into low cycle fatigue and creep-fatigue interaction behaviour of cast 625 alloy - G. V. S. N. Rao, A. Kumar, R. Kannan, A. Nagesha - INDIA
14:45	35 - A study on creep and high temperature fatigue properties of additively manufactured Ti6Al4V Alloy - Litton Bhandari, Vidit Gaur - India
15:15	94 - Interaction and supposition of creep damage and high-cycle fatigue behaviour of coarse-grained Nickel-base Alloy 247 - O Jordan et al, Germany
15:45	97 - Prediction of mechanical response due to creep-fatigue loading using unified mechanics theory in nickel-based superalloy - Saurabh Mangal, Sri Krishna Sudhamsu Kambhammettub & Lakshmana Rao C - India
16:15	Coffee break

Main room	
Workshop - Round table	
16:45	Flexible Operation (Chair Prof. Scott Lockyer - UNIPER - UK)
17:45	Conference closure