

Main room

Day 2: 23rd May 2023	
UK time	CSEF 3: J. Hald - R. Locatelli
8:30	58 - Implications of creep damage susceptibility in creep strength enhanced ferritic steels - I. Perrin, J. Siefert - USA
9:00	30 - Evaluation of Metallurgical Risk Factors in Post-test, Advanced 9%Cr Creep Strength Enhanced Ferritic (CSEF) Steel - X. Zhang, S. Robertson, M. Jepson, S. Hogg - UK
9:30	79 - Microstructure Evolution of Grade P91 during Creep Test by Metallic Replica Non-Destructive Assessment - L. Pellegrino, F. Bisaglia, E. Sfameli, L. Casiraghi, G. Merckling - IT
10:00	84 - Analysis of ECCS Cross-Weld Creep Test Data on Grade 92 Steel - D. J. Allen - UK
10:30	Coffee break
	CSEF 4: H. Hack - C. Kontermann
11:00	49 - Creep behaviour and microstructure evolution of P91 steel after 200,000 hours at 600 °C - M. Speicher, D. Willer, R. Scheck, J. Hald - De, DK
11:30	45 - Steel Grades 91 and 92 Microstructure and Precipitate Evolution Atlas and life assessment tool - A. Tonti, A. Alvino, A. Antonini, C. Delle Site, D. Lega, S. Matera, O.Tassa - IT
12:00	25 - Microstructural changes of Modified 9Cr-1Mo Steels under Long-Term Creep Conditions - K. Kako, S. Yamada, M. Yaguchi, Y. Minami - Japan
12:30	77 - Microstructure development after long-term creep testing of 600/620°C turbine materials with Boron - F. Kauffmann, Y. Wang, J.-M. Haan - Germany
13:00	Lunch
	CSEF 5: D. Allen
14:15	63 - Service experience of wrought tees fabricated from Grade 91 and Grade 92 steel - J. Siefert, T. Sambor, I. Perrin - USA
14:45	69 - Influence of incomplete cooling below Ms on microstructure and properties of X20 steel - S. Allies, R.D. Knutsen, J.E. Westraadt - South Africa
15:15	75 - Substructure versus fracture toughness of CB2 cast steel - S.T. Mandziej, A. Vyrostkova - Nederland , Slovakia
15:45	Coffee break

Gallery room

Day 2: 23rd May 2023	
UK time	Austenitics 1: K. Sawada - P. Barnard
8:30	12 - Preparation of an ECCS Creep Datasheet on Sanicro 25 Tubes for Power Generation and Petrochemical Use - C. Bullough, M. Spindler, G. Chai, P. Barnard - ECCS
9:00	92 - Factors that affect extra-high creep performance of Alleima 3R60TM (316L_316LN) steel at 700°C - Chai, Laustrup & Gustavsson - Sweden
9:30	29 - Creep Crack Growth Characterization of SS316LN - A. K. Mishra, A. Gopalan, M. Nanibabu, A. Tiwari, V.Karthik - India
10:00	40 - Influence of temperature and stress condition on long-term structural stabilities of the low and high Ni austenitic alloys - O. Öhlin, R. Siriki, G. Chai - Sweden
10:30	Coffee break
	Austenitics 2: I. Perrin - G. Chai
11:00	33 - Creep strength degradation in 18Cr-9Ni-3Cu-Nb-N steel - K. Sawada, T. Hatakeyama, K. Sekido, K. Kimura - Japan
11:30	87 - Comparison of Uniaxial Creep Properties using True and Engineering Stress Strain-Rate Analyses for Type 316H Stainless Steel - J De Andres, C M Davies, M Jones - UK
12:00	60 - Microstructure and creep behavior of long-term service aged and lab creep tested Super 304H (UNS S30432/ DIN 1.4907/EN X10CrNiCuNb18-9-3) - T. Lolla, J. Siefert & H. Lee - USA
12:30	26 - Effect of precipitation microstructure on the creep deformation behavior of 25Cr-20Ni-Nb-N steel - T. Hatakeyama, K. Sawada, K. Sekido, T. Hara, K. Kimura - Japan
13:00	Lunch
	Superalloys 1: P. Schraven - D. Ripamonti
14:15	80 - ECCS Working Group 3C – Superalloys, Overview on the activities and future perspectives - E. Poggio, D.J. Allen, P. Barnard, C. Bullough, E. Debruycker, R. Krein, A. Gotti, A. Riva, M. Schwienheer, M. Speicher, M. Spindler - ECCS
14:45	95 - Characterisation of creep cavitation process on grain boundaries in a polycrystalline Nickel-base Alloy 247 - O. Jordan, T.D. Nguyen, P. Lion, T. Beck - Germany
15:15	18 - Creep of LPBF IN738LC: Effect of Build Orientation and Twinning - S. Megahed, A. Udoh, M. Krämer, C. Heinze, C. Kontermann, S. Weihe, M. Oechsner - Germany
15:45	Coffee break

Cellar room

Day 2: 23rd May 2023	
UK time	Modeling 1 : P. Lamargne - M. Schwienheer
8:30	24 - Assessment of Long-term Creep Life of Modified 9Cr-1Mo Steel by Monkman–Grant Relationship Considering Dependence of Creep Ductility on Loading Conditions - Masatsugu YAGUCHI - JAPAN
9:00	31 - Rupture Strength Prediction of Martensitic Power Plant Steels - Z. Guo, J. Hu, N. Saunders, J.P. Schillé - UK
9:30	32 - Stochastic and systematic deviations of creep experiments in martensitic steels - B. Krenmayr, B. Sonderegger, F. Mueller - Austria
10:00	19 - Quantitative physical modeling of the effect of precipitates in the subgrain interior on the creep curve and service life of P91 - L. Witzmann, J. Mergl, F. Riedlsperger, B. Krenmayr, G. Zuderstorfer, B. Sonderegger - Austria
10:30	Coffee break
	Modeling 2: M. Spindler - M Yaguchi
11:00	14 - Evolution and criteria for early creep damage - R. Pohja, S. Holmström, P. Auerkari, P. Vilaça - Finland
11:30	57 - Experimental investigations on a model of a power plant flange under steady state and transient load - K. Kettler, A. Klenk, S. Weihe - Germany
12:00	9 - Some important considerations in creep modeling of ferritic steels and nickel-based superalloys - R. Oruganti - India
12:30	28 - Recent progress in the microstructurally-based creep modelling of Ni-based alloy 617 - F. Riedlsperger T. Wojcik, R. Buzolin, L. Witzmann, G. Zuderstorfer, B. Krenmayr, C. Sommitsch, B. Sonderegger - Austria
13:00	Lunch
	Modeling 3: T. Coppola - R. Oruganti
14:15	21 - Temperature Measurement for High Temperature Mechanical Testing – a Code of Practice - M.S. Loveday, H. Klingelhoefter - UK, DE
14:45	27 - Accurate very-high temperature creep-life prediction of Incoloy 800H addressing effects of creep mechanism transition and nitridation - C. Rojas-Ulloa, H. Morch, V. Tuninetti, L. Duchêne, A.M. Habraken - Belgium, Chile
15:15	50 - Crystal plasticity model for simulating creep and relaxation deformation/damage of OFP copper - T. Andersson, M. Lindroos, R. Pohja, J. Rantala, Janne Pakarinen - Finland
15:45	Coffee break

	Superalloys 2: E. Poggio - O. Jordan
16:15	89 - Correlations between primary creep and stress relaxation in a single crystal nickel-based superalloy - Donnini et al - Italy
16:45	16 - On the Dominant Effect of Crack Shielding in Superalloys Failure at High Temperature - M. Elsherkisi, M. Elsherkisi, T. Huyghe, M. Kothari, F. Duarte Martinez, S. Gray, G. M. Castelluccio - UK
17:45	end of second day - Poster Session + Conference Dinner

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POSTER SESSION	
98	Mechanical Behaviour of AISI 314, 316Ti and 321 Steels at Elevated Temperatures - G. Vukelić, J. Brnić - Croatia
106	A machine learning approach to creep life prediction of austenitic steels - W Harrison - UK
100	Creep behaviour of notched specimens of MarBN-cast-steel - L. Woellmann, F. Mueller, M. Oechsner, B.Krenmayr, C. Sommitsch - Austria, Germany
106	Technical Scientific Report vgbe-TW 531: Martensitic 9 to 12% Cr Steels – Design, Production, Operation, and Safety Concepts - Germany
103	Uniaxial Tensile and Creep Testing of Hot Isostatic Pressed P91 and 316H Steels - C. Parker, C. M. Davies - UK
104	Role of Crack Interactions on Rate of Failure in Nickel Superalloys Exposed to Intermediate Temperatures - M. Elsherkisi, F. Duarte Martinez, S. Gray, G. M. Castelluccio - UK