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European Creep Collaborative Committee, Italy

The European Creep Collaborative Committee: History, structure, activities and last assessments results

The European Creep Collaborative Committee (ECCC) is a voluntary group founded in 1991 to co-ordinate Europe-wide development of creep data for high temperature plants. The 12 countries represented in ECCC are earnestly involved in a joint effort to coordinate the generation of creep data throughout European Countries; 1) Interact with, and supply information to the technical committees at the formal European Standards organisations; 2) Mutually

exchange technical expertise relating to new developments on materials for high temperatures; 3) Develop guidelines for data generation, collation/exchange, assessment and Post Assessment Tests (PAT's). After several years of European Commission sponsoring, the ECCC is now organized as a Joint Industrial Project (JIP) that started in 2011 and is still running. This contribute will summarize ECCC's activities over the past 26 years, its actual structure and future targets. Special emphasis will be put on the most recent achievements, that include the assessments of the CSEF grades 91, 92 and Alloy 617, completed in 2017; as well as the newly available Post Assessment Test Software – EPAT.

Biography

Augusto Di Gianfrancesco has graduated in chemical engineering at University of Rome "La Sapienza" in October 1982, with specialized background in materials science. He was employed at the Centro Sviluppo Materiali (CSM), Rome, Italy since February 1983 until December 2014. He holds Senior Metallurgist and Project Leader positions on "High Temperature Materials". He was responsible for R&D activities on steels and superalloys for high temperature applications in power generation plants. He was also member of Management Committee of EU Program COST 522-536, co-founder of the European Creep Collaborative Committee and co-founder of the Italian Working Group on Creep Resistant Materials. In addition he has been member of the International Board of the 5th, 6th & 7th EPRI International Conferences on Advances in Materials Technology for Fossil Power Plants, METAL2013/METAL2014 / METAL2015 / METAL2016 / METAL2017 / METAL2018, the 6th International Conference on Creep, Fatigue and Creep-Fatigue Interaction, and vice chairman of the 3rd ECCC Conference held 2014 in Rome. He is author and/or co-author of more than 280 technical reports and more than 100 papers presented in national and international conferences or magazines. His current position is Materials and technologies consultant at Compusystem (www.compysyst.it), Chairman of ECCC (European Collaborative Creep Committee) and Vice-president of Center of Study Materials for Energy of Italian Society of Metallurgy (Associazione Italiana di Metallurgia).

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