Gianfranco Federici

Currently, he's the Programme Manager of the EUROfusion Consortium responsible for the management and coordination of all the activities conducted as part of the Work Plan. As former Head of the Fusion Technology Department and of the DEMO Central Team in the EUROfusion Consortium, he was responsible during the last 15 years for the coordination and technical oversight of the Design and R&D efforts in Europe aimed to the conceptual design of a DEMOnstration Fusion Power Plant (DEMO) and of a Volumetric Neutron Source (VNS).

His academic background is in nuclear engineering, applied plasma physics and fusion engineering/ reactor design. He has a Master of Science and a Ph.D. in Nuclear Enginering, from the University of California, Los Angeles (USA) and a Degree in Nuclear Engineering from the Polytechnic of Milan.

He has more than 30 years of professional experience in fusion reactor design and fusion enabling technology developments. Areas of expertise include tokamak design and integration, plasma-facing component, plasma-material-interactions, breeding blanket design, magnets etc. He has a strong record of management (human and financial) resources and technical oversight responsibilities in various complex, cross-functional projects and technology development environments. He also has strong scientific track record. His main achievements and scientific contributions on various topics of fusion physics and fusion engineering are described in ~250 publications - of which ~40 as main author - in peer-refereed scientific journals (h-index: 57) some of which have impacted the field and constitute a body of work of broad recognised value. His international recognition in scientific and management skills is also demonstrated by several important international awards and by invitations to provide keynote speeches in many international conferences or to serve in committees of various conferences/ workshops/ design reviews.

He's the recipient of important awards including the Fusion Power Associates (FPA) Leadership Award (2019); the Outstanding Technical Accomplishment Award - ANS Fusion Energy Division (2002); the David J. Rose Award for Excellence in Fusion Engineering - FPA (2000). Since 2008, he's also Fellow of the American Nuclear Society.