

James Morris

James Morris is the Power Plant Modelling and Integration (PPMI) group leader at the United Kingdom Atomic Energy Authority (UKAEA) and the Principal Investigator for the EUROfusion Theory Simulation Validation and Verification (TSVV) project number 14 – “Multi-fidelity systems codes for EU-DEMO”.

James obtained a MSci Physics from the University of Bristol in 2010 before joining UKAEA later that year as part of their graduate intake. He worked for three years in the plasma operations group on the JET tokamak, maintaining and operating the magnetic diagnostics and was responsible for the JET disruption database. He moved internally to the fusion technology division at UKAEA in 2013 and has since focused on carrying out whole power plant design work for EUROfusion and other programmes. He specialises in the development and exploitation of systems codes for whole plant design (PROCESS and bluemira) along with integrated plant design work. He now leads the PPMI group at UKAEA to carry out whole plant analysis and concept design for STEP, EU-DEMO, and other reactor concepts.

His teaching experience includes lecturing at the University of Oxford Materials Application Fusion CDT, University of York Fusion CDT, KIT fusion summer school, and running internal training programmes for staff (from graduates to senior staff).