

Integrating Systems Engineering Information with AP233

INCOSE drove the development of the OMG SysML and ISO AP233 standards to provide the Systems Engineering community with a standard notation for SE tools and a standard data integration, data exchange mechanism for integrating SE and other engineering applications. The ISO AP233 standard is finally ready for use and this presentation will provide an overview of the use cases for AP233, the scope it covers and report on an ongoing project to formally specify how to use AP233 to integrate SysML models with other engineering applications using data exchange, Web services and ontologies.

Dr Philip Spiby

Dr Philip Spiby is a key technical developer of the proposed International Standard AP233 Systems Engineering and Design. He is a co-chair of the INCOSE Model Driven Systems Design Working Group responsible to INCOSE for ensuring AP233 meets the requirements of SE Practitioners. He is also a member of the INCOSE Model Based Systems Engineering team helping to develop the INCOSE 2020 vision based in the Modeling paradigm.

He was project lead for the International Standard Information Modeling Language EXPRESS, and has contributed to the development of a number of other Engineering Standards. He works for Eurostep Limited a company specializing in providing consultancy and software solutions for Information management to a large number of multi-national companies and Government agencies. As such he has worked for 20 years in the Aerospace, Defense, Automotive, Civil Engineering and Pharmaceutical areas.

David Price

David Price is a Principle Consultant for Eurostep Limited joining in 2001 after almost 20 years at IBM where he was a Senior Software Engineer. At IBM, David lead a laboratory team providing software support and application development for 300 mechanical engineers, worked in IBM Corporate Design Practices focusing on mechanical engineering database applications and worked at IBM Enterprise Integration with a focus on engineering data standards and modelling languages. David was an IBM assignee to the PDES, Inc. consortium leading numerous projects in the consortium and in the ISO community developing the STEP series of standards. David also worked with the IBM Consulting Group on various engineering data management engagements in the Oil and Gas and Aerospace industries.

David's focus in Eurostep has been on standards-based integration of engineering data, harvesting STEP capabilities into widespread IT focusing on the OMG and W3C standards including UML and OWL. David has worked in several industries including Oil and Gas Master Reference Data, Ship Classification, Product Life Cycle Support, Systems Engineering, Architecture Frameworks, and the Semantic Web focusing mainly on systems architecture and on the semantics and integration of engineering information.