

Listing of Halden Reports for 2009-2010

REPORTS FROM THE FUELS AND MATERIALS PROGRAM 2009 – 2010	
HWR-840	The PWR corrosion and hydring test IFA-638: final report
HWR-916	LOCA testing at Halden, the eighth experiment IFA-650.8
HWR-917	LOCA testing at Halden, the ninth experiment IFA-650.9
HWR-918	Instrument development for fuel and materials characterization in the Halden Reactor
HWR-919	The lift-off experiment IFA-610.10 with BWR fuel rod, in-pile data evaluation
HWR-920	The overpressure experiment with VVER fuel rod in IFA-610.11, evaluation of in-pile data of 1st cycle
HWR-921	Progress report on large grain and 5% Gd-doped VVER fuel investigation in IFA-676.1
HWR-922	Comparative integral irradiation test on gadolinium fuel (IFA-681); update after ten cycles of irradiation
HWR-923	Study of fission gas release from BWR fuel in IFA-700.4
HWR-926	In-reactor creep behaviour of LWR fuel cladding, interim results up to 4th operational cycle
HWR-927	The PWR cladding corrosion and hydriding test IFA-708: final report
HWR-928	Effects of water chemistry and thermal-hydraulic conditions on crud formation on PWR fuel in the Halden reactor
HWR-929	Summary of results from integrated time-to-failure study IFA-660
HWR-930	Irradiation creep and irradiation stress relaxation of 316 and 304L stainless steel
HWR-965	Benchmark calculations on Halden IFA-650 LOCA test results
HWR-967	Iodine and cesium released from the LOCA experiment IFA-650.9
HWR-968	Pie report on six UO ₂ fuel rods irradiated in IFA-677 high initial rating test
HWR-974	LOCA testing at Halden, the tenth experiment IFA-650.10
Reports from Man-Technology-Organization Program 2009 – 2010	
HWR-844-rev2	International HRA empirical study -pilot phase report
HWR-855	Outline of New Approaches to In-core Sensor Validation Based on Modern Signal Processing Techniques and Neuro-Fuzzy System PEANO
HWR-910	Issues relevant for requirements engineering in modernisation of digital I&

HWR-912	Report from workshop on common cause failures - research needs
HWR-913	Follow-up study of virtual collaborative training for maintenance operations and hazard awareness
HWR-914	Lessons learned from HRP VR-BASED TRAINING STUDIES
HWR-915	The International HRA Empirical Study – Phase 2 Report: Results from Comparing HRA Methods Predictions to HAMMLAB Simulator Data on SGTR Scenarios
HWR-915 Appendix A	The International HRA Empirical Study – Phase 2 Report: Results from Comparing HRA Methods Predictions to HAMMLAB Simulator Data on SGTR Scenarios
HWR-932	Design Patterns in the Nuclear Domain: Theoretical Background and Further Research Opportunities
HWR-933	Design Patterns for Large Screen Displays: Lessons Learned from the Petroleum Industry
HWR-934	Large Screen Display for the HAMBO Simulator, based on Information Rich Design
HWR-935	Transparent Automation Displays – Design and Evaluation
HWR-937	Coping with Automation in Future Plants: Results from the 2009 HAMMLAB Experiment
HWR-938	Staffing Strategies in Highly Automated Future Plant Results from the 2009 HAMMLAB Experiment
HWR-939	The Halden Reactor Project Workshop Meeting on Integrated System Validation (ISV) – Status of Current Approaches to ISV and R&D Needs
HWR-940	Touch Interfaces for NPP Operation: Emerging Technology and Application Concepts
HWR-941	Design of Process Displays Based on Risk Analysis Techniques
HWR-942	Experience of Handheld Computing from the HBWR 2008 Experiment
HWR-943	A Study of Outage Planning with The Halden Planner Software
HWR-944	Potential Use of Semantic Technologies to Support User Interface Design and Implementation
HWR-945	Modernisation of Digital I&C – A Field Survey on Requirements Engineering
HWR-947	Establishing a BBN for the Correlation between Complexity Measures and a Reliability Metric for Logic Diagrams
HWR-948	An Approach to Assess Compound Software – Final Report

HWR-949	A Framework for Assessment of Error Propagation and Common Cause Failures in Digital I&C
HWR-950	Error Propagation – A Case Study on SCORPIO
HWR-952	Work Practices HAMMLAB 2009 Study: Team Transparency in Near-future Computer-based Control Rooms
HWR-953	Work Practices: Field Study of Challenges and Opportunities in a Computer-based Nuclear Power Plant Control Room
HWR-955	Team cognition in a complex accident scenario
HWR-957	Thermal Power Uncertainty Determination with Data-reconciliation
HWR-958	Model Based Condition Monitoring with TEMPO
HWR-959	Mimir – A Modular Framework for Condition Monitoring and Diagnostics
HWR-960	Ensemble Methods for Large Scale Sensor Monitoring and Diagnostics
HWR-961	Condition-based Maintenance (CBM) – Filter Clogging at OKG 1 – A Case Study
HWR-962	Standardization of Procedure Content Definitions
HWR-963	Advanced Control – Test of a Virtual Steam Flow Sensor in the HAMBO Simulator
HWR-964	Work Practices and New Technologies: A Review of Research and Practical Experience
HWR-966	Using Human Event Data to Validate PSF Multipliers: A Proof-of-Concept Study