*Times are subject to change. Please refer back for updates.

	Monday, July 18					
Salon A	Start Time		Presentation Title	Authors		
Opening Remarks	8:00 AM	8:30 AM				
Plenary Panel	8:30 AM	9:00 AM	Stress Corrosion Cracking of NI-Based Alloys in Water Cooled Reactors: From the «Coriou Effect» to the Use of Tracers	Damien Feron		
	9:00 AM	9:30 AM	A Brief History of Zirconium Alloys in Nuclear Applications	Arthur Motta and Bruce Kammenzind		
	9:30 AM	10:00 AM	Nature Will Exploit Any Weakness – Steam Generator Secondary Side Issues	Michael Wright (CNL)		
	10:00 AM	10:20 AM	Morning Break	- Sponsored by Studsvik Salon B		
Salon A	Start Time	End Time	Presentation Title	Authors		
PWR SCC Initiation NBAs Chair: Mychailo Toloczko (Pacific Northwest	10:20 AM	10:45 AM	Cold Spray For Mitigation Of Stress Corrosion Cracking In Alloy 600	Mike Ickes, Parsi Arash (Westinghouse Electric Company)		
National Laboratory) Vice Chair: Elaine West and Sonya Pemberton	10:45 AM	11:10 AM	Some Effects Of Surface Finish And LWR Environment On Environmentally-Assisted Crack Initiation In Alloy 182	Marc Vankeerberghen (SCK CEN), Aki Toivonen, Alice Dinu (RATEN), Anna Hojna (Research Centre Rez), Bojan Zajec (Slovenian National Building and Civil Engineering Institute), Fabio Scenini (University of Manchester), Francisco Perosanz (CIEMAT), Jill Meadows (Jacobs), Liberato Volpe, Michael Grimm (Framatome GmbH), Radek Novotny (Directorate General Joint Research Center, Unit G.I.4-Nuclear Reactor Safety and Emergency Preparedness), Rik-Wouter Bosch (SCK CEN), Stefan Ritter (Paul Scherrer Institute), Zaiqing Que (VTT Technical Research Centre of Finland)		
	11:10 AM	11:35 AM	The Role Of Delta Phase In The Stress Corrosion Cracking (SCC) Of Alloy 718 In Simulated Pressurized Water Reactor (PWR) Primary Water (PW) Environment	Mi Wang (Studsvik Nuclear AB), Gary Was and Miao Song (University of Michigan)		
	11:35 AM	12:00 PM	The SCC Initiation Behavior Of Alloy 600 And SS 316L In Simulated PWR Primary Water Environments With Low Dissolved Hydrogen	Hsiang-Ling Shih, Meiya Wang, Liang-Hsuan Chen, Tsung- Kuang Yeh (National Tsing Hua University)		
	12:00 PM	1:20 PM		ch on Your Own		
	1:20 PM	1:45 PM	Understanding the Effect of Water Chemistry and Surface Grinding on the Stress Corrosion Cracking Initiation of Filler Metal 82	Nic Supornpaibul, Fabio Scenini, Grace Burke, and Jonathan Duff (University of Manchester), Yun Wang (Hitachi Ltd.)		
	1:45 PM	2:10 PM	Influence Of Cavitation Peening On The Propagation Of Stress Corrosion Cracks With Various Depths In Alloy 182 Exposed To PWR Primary Water	Daniel Brimbal, Antoine Marion, Chris Waskey, Darren Wood (Framatome), Dojun Na (KHNP), Eric Visse, Jean- Paul Massoud (EDF), Maxime Berthaud (Framatome), Mychailo Toloczko, Ryan Bouffioux (PNNL), Sophie Maingot (EDF)		
Salon C&D	Start Time	End Time	Presentation Title	Authors		
Irradiation Damage of Plant	10:20 AM	10:45 AM	Mechanistic Understanding Of Irradiation	Gary Was (University of Michigan)		
Materials Chair: Jeremy Busby Vice Chairs: Colin Judge and Jared Smith	10:45 AM	11:10 AM	Assisted Stress Corrosion Cracking Characterization Of Materials Showing Large Differences In IASCC Response	Anders Jenssen and Daniel Jadernas (Studsvik Nuclear AB), Kristina Lindgren and Mattias Thuvander (Chalmers University of Technology), Peter Chou (EPRI)		
	11:10 AM	11:35 AM	Acceleration Of Ni2cr Ordered Phase Formation Via Proton Irradiation	Cole Evered (Oregon State University), David Sprouster (Stony Brook), Julie Tucker, Nicholas Aerne (Oregon State University)		
	11:35 AM		Examination Of IASCC In 304 Stainless Steel Core Shroud From A Commercial Boiling Water Reactor (BWR)	, , ,		
	12:00 PM	1:20 PM		Mitchell Mattucci (CNI) Prion Connelly, Grace Burks		
	1:20 PM	1:45 PM	Evaluating Irradiation Damage In CANDU Components By Characterizing Surrogate Material Harvested From The Decommissioned NRU Reactor At Chalk River Laboratories- Application To The CANDU Calandria Tubesheet Degradation	Mitchell Mattucci (CNL), Brian Connolly, Grace Burke (University of Manchester), Jared Smith, Nicolas HUIN, Qiang Wang (CNL)		
Salon E	Start Time	End Time	Presentation Title	Authors		
Concrete Chair: Elena Tajuelo Rodriguez (Oak Ridge National Laboratory)	10:20 AM	10:45 AM	A Novel Approach To Simulate Realistic Concrete Microstructures Under Irradiation	Amani Cheniour, David Arregui Mena, Elena Tajuelo Rodriguez, Thomas Rosseel, Yann Le Pape, Yujie Li (ORNL)		
Vice Chairs: Nishant Garg (University of Illinois Urbana-Champaign) and Thomas Rosseel (Oak Ridge National Laboratory)	10:45 AM	11:10 AM	Assessment Of Neutron Irradiation Damage In Aggregates	Elena Tajuelo Rodriguez, Jan Ilavsky, Lawrence M Anovitz (ORNL), Michael Cheshire (Chevron), Thomas Rosseel, Yann Le Pape (ORNL)		

	11:10 AM	11:35 AM	Raman Imaging For High-Resolution Mineral Mapping Of Granite	Nishant Garg (University of Illinois Urbana-Champaign), Amani Cheniour, Elena Tajuelo Rodriguez (ORNL), Krishna Chaitanya Polavaram (University of Illinois Urbana-Champaign), Yann Le Pape (ORNL)
	11:35 AM		Thermo-Hygro-Mechanical Modeling Of ASR- Induced Degradation In A Reinforced Concrete Nuclear Containment Vessel	Amit Jain, Benjamin Spencer, Sudipta Biswas (INL)
	12:00 PM	1:20 PM		ch on Your Own
	1:20 PM	1:45 PM	Understanding Impact Of Gamma Radiation On C-S-H Using 1H & 29Si NMR	Nishant Garg and Aniruddha Baral (University of Illinois Urbana-Champaign), Elena Tajuelo Rodriguez and Yann Le Pape (ORNL)
Salon E	Start Time	End Time	Presentation Title	Authors
Cables Chair: Leo Fifield Vice Chairs: Larry Cunningham and Mohammod Ali	2:10 PM	2:35 PM	Low Voltage Cable Condition Monitoring To Detect Global Degradation And Localization Techniques For Aging Management At Nuclear Power Plants	Andrew Mantey (EPRI), David Rouison, Linsay Vasilak (Kinectrics), Pierre Simo (Exelon), Sarajit Banerjee (Kinectrics)
	2:35 PM	3:00 PM	Evaluation Of Specific Energy Absorption Rate In Aged EPR-Insulated Cables Using Finite Element Analysis	Sean O'Brien, Brian Hinderliter, Margaret Elmer-Dixon, and Melissa Maurer-Jones (University of Minnesota - Duluth), Robert Duckworth (ORNL)
	3:00 PM		Determination Of Activation Energies Of Thermally Aged Nuclear Cable Insulation Materials	Donghui Li, Andy Zwoster, Leo Fifield, Madhusudhan Pallaka, Mychal Spencer, Tucker Bisel (PNNL), Yelin Ni
	3:25 PM	3:45 PM	Afternoon Break - Spons	ored by Dominion Engineering, Inc. Salon B
	3:45 PM	4:10 PM	Oxygen Consumption As Sensitive Measure Of Polymer Electrical Cable Insulation Aging	Yelin Ni, Andy Zwoster, Donghui Li , Jonathan D Egbert, Katarzyna Grubel, Leo Fifield, Madhusudhan Pallaka, Mychal Spencer, Tucker Bisel (PNNL)
	4:10 PM	4:35 PM	Evaluation Of Copper Catalytic Effects In Cable Insulation Polymers	Trevor Toll, Casey Sexton, Codi Ferree, Patrick Ward (AMS Corporation)
	4:35 PM	5:00 PM	Diffusion Limited Oxidation Of XLPE And EPR	Mychal Spencer, Andy Zwoster, Donghui Li, Leo Fifield,
Salon A	Start Time		Nuclear Electrical Cable Insulation Presentation Title	Madhusudhan Pallaka, Tucker Bisel (PNNL), Yelin Ni Authors
Plant Chemistry - Day 1			SCC Initiation And Growth In PWR Primary	Peter Andresen (JLN Consulting), Peter Chou (EPRI)
Chair: Michael Wright (CNL)	3:00 PM	3:25 PM	Water Containing KOH Vs. Lioh	
Vice Chairs: Catherine Guerre and Peter Chou (EPRI)	3:25 PM	3:45 PM	Afternoon Break - Spons	ored by Dominion Engineering, Inc. Salon B
	3:45 PM		Potassium Hydroxide For PWR Primary Coolant pH Control: EPRI Program	Keith Fruzzetti, Peter Chou, Dennis Hussey, David Perkins (EPRI)
	4:10 PM	4:35 PM	The Effect Of Potassium Hydroxide Primary Water Chemistry On The IASCC Behavior Of 304 Stainless Steel	Mike Ickes (Westinghouse Electric Company)
	4:35 PM	5:00 PM	Comparing Stress Corrosion Cracking Initiation Times Of Sensitized 304 Stainless Steel In KOH And Lioh Primary Water Chemistries With High Levels Of Dissolved Oxygen	Stuart Medway (Jacobs), Peter Chou (EPRI)
	5:00 PM	5:25 PM	SCC Initiation and Growth Rate Response of A- 286 in B/Li and B/K Solutions at 340C	Peter Andresen (Andresen Consulting), Peter Chou (EPRI)
Salon C&D	Start Time	End Time	Presentation Title	Authors
Testing on Irradiated Materials Chair: Gary Was (University of Michigan)	3:00 PM	3:25 PM	Acceleration Of 316L Stainless Steel Corrosion By Proton-Irradiation-Induced Displacement Damage In Hydrogenated Steam	Rigel Hanbury, Gary Was (University of Michigan)
Vice Chairs: Anders Jenssen (Studsvik Nuclear AB) and Lefu Zhang	3:25 PM	3:45 PM	Afternoon Break - Spons	ored by Dominion Engineering, Inc. Salon B
,	3:45 PM		Cracking Behavior Of Decommissioned Baffle Plates In Light Water Reactor Environment	Yiren Chen (Argonne National Laboratory), Appajosula Rao (US NRC), Bogdan Alexandreanu (Argonne National Laboratory)
	4:10 PM		Effect Of Water Chemistry On Crack Growth Rates In Neutron Irradiated X-750 And XM-19	John Jackson, Drew Johnson, Michael Heighes (INL), Peter Andresen (Andresen Consulting), Robert Carter (EPRI)
	4:35 PM	5:00 PM	Proton Irradiation On The EAC Behavior Of	Matthias Herbst (Framatome)
			Tuesday, July 19	
Salon A	Start Time	End Time	Presentation Title	Authors
New and Novel Manufacturing Methodolgies (AM, HIP, Weld)	8:20 AM	8:45 AM	Elucidating The Effect Of Build And Build Direction On The Corrosion Of Selective Laser Sintered Additively Manufactured 316L Stainless Steel	Elizabeth Getto, Elizabeth Farna, Jonathan Gibbs, Jordan McLaughlin, Michelle Koul, Raymond Santucci, Taylor Gray (United States Naval Academy)
Chair: Myles Connor (GE Research) Vice Chairs: Fabio Scenini (University of Manchester), Matthew Olszta (PNNL), and Mike McMurtrey	8:45 AM	9:10 AM	Hydrothermal Corrosion And High Temperature Steam Oxidation Of Additively Manufactured And PM-HIP Fecral Alloys	Rajnikant Umretiya, Andrew Hoffman (GE Research), Dan Lutz (Global Nuclear Fuel Americas), Evan Dolley, Nikole Kucza, Raul Rebak (GE Research), Russ Fawcett (GNF), Vipul Gupta (GE Research)

	9:10 AM	9:35 AM	Microstructure And Mechanical Properties Of Additively Manufactured 316L Stainless Steel.	Karyn Cooper, Jennifer Borg, Stuart Medway (Jacobs)
	9:35 AM	10:00 AM	Performance Of Laser Additively Manufactured Alloys In Light Water Reactor Environments	Bogdan Alexandreanu, Xuan Zhang and Yiren Chen (Argonne National Laboratory)
	10:00 AM	10:20 AM	Morning Break -	Sponsored by GE Research
	10:20 AM	10:45 AM	Preliminary Results From Assessment Of Advanced Manufacturing Technologies (AMT) For Reactor Materials And Components	Salon B Mark Yoo, Matthew Hiser, Amy Hull (USNRC)
	10:45 AM	11:10 AM	PWSCC Crack Growth Rate Testing Of Wrought And HIP Alloy 625 In A PWR Environment.	Jennifer Borg, Stuart Medway, Felicity Pickering, Charlotte Smith (Jacobs)
	11:10 AM	11:35 AM	Weldability And Corrosion Properties Of Austenitic Stainless Steel And Low Alloy Steel Manufactured Using PM-HIP Method	Gidong Kim, Kang-myung Seo, Sang Woo Song, Seunghyun Kim, Yong-joon Kang (Korea Institute of Materials Science)
Salon C&D	Start Time	End Time	Presentation Title	Authors
SCC Testing under BWR and other Chemistry Chair: Peter Andresen (Andresen Consulting)	8:20 AM	8:45 AM	Proposed Crack Growth Rate Disposition Curves For Stress Corrosion Cracking Of Alloy 82 In BWR Environments	Peter Andresen (Andresen Consulting), Katsuhiko Kumagai, Robert Carter
Vice Chairs: Robert Carter and Ziqing Zhai (PNNL)	8:45 AM	9:10 AM	Evaluation On Applicability Of Nickel-Base Alloy Weld Materials With High Chromium Content In BWR Environment	Takahiro Hayashi, Daiki Tanaka, Hidenori Takahashi, Yoshinori Katayama, Yumiko Tsuchiya (Toshiba Energy Systems & Solutions Corporation)
	9:10 AM	9:35 AM	SCC Of Alloy 82 Weld Metal In BWR Water	Peter Andresen (JLN Consulting)
	9:35 AM	10:00 AM	The Effect Of Specimen Size On The Stress Corrosion Crack Growth Rate Of 10% Cold Worked Type 316L In BWR Environment	Johan Stjärnsäter, Anders Jenssen (Studsvik Nuclear AB), Elena Calota (Swedish Radiation Authority), Hanna Johansson (Forsmark Kraftgrupp AB)
	10:00 AM	10:20 AM	Morning Break -	Sponsored by GE Research Salon B
	10:20 AM	10:45 AM	SCC Growth In BWR-NWC Of A Low-Alloy Steel With Intermediate S-Content Tested At K Between 50 And 70 Mpa√M	Anders Jenssen, Martin Bjurman (Studsvik Nuclear AB) Björn Forssgren (Ringhals AB), Elena Calota (Swedish Radiation Safety Authority), Johan Stjärnsäter (Studsvil Nuclear AB)
	10:45 AM	11:10 AM	Contribution Of Cathodic Reaction Inside Crevice On Propagation Of Crevice Corrosion Of 304L SS In Chloride Solution	Yutaka Watanabe, Kazuki Yakata (Tohoku University), Yuichi Fukaya (Tokyo Electric Power Company Holding Inc.)
Salon E	Start Time	End Time	Presentation Title	Authors
Modelling of SCC, Fatigue and Other Material	8:20 AM	8:45 AM	Alloy 182 Models for the Prediction of the Susceptibility to SCC of BMI Nozzle J-welds	Thierry Couvant (EDF R&D)
Degradation Phenomena Chair: Yongfeng Zhang Vice Chairs: Benjamin Anglin (Naval Nuclear	8:45 AM	9:10 AM	Experimental Characterization of Grain Boundary Fracture Properties in a FeCr12Ni26Si3 Austenitic Stainless Steel Oxidized in PWR Environment	Rachma Azihari, Jérémy Hure (CEA Saclay), Marc Legro (CEMES-CNRS), Benoît Tanguy (CEA Saclay)
Laboratory) and Suraj Persaud	9:10 AM	9:35 AM	Phase Field Modeling Of Oxide Growth In An Aged Fe-Cr	Julie Tucker (Oregon State University), Aashique Rezwa (University of Wisconsin Madison), Burkan Isgor, Kofi Oware Sarfo (Oregon State University), Larry Aagesen (INL), Liney Arnadottir (Oregon State University), Yongfeng Zhang (University of Wisconsin Madison)
	9:35 AM	10:00 AM	Modeling Stress Corrosion Cracking With	Benjamin Anglin, Thomas Webb (Naval Nuclear
	10:00 AM	10:20 AM	Explicit 3D Grain Microstructure Morning Break -	Laboratory) Sponsored by GE Research Salon B
	10:20 AM	10:45 AM	Modelling Of IGSCC With Adaptive Framework	Micke Sedlak (KTH Royal Institute of Technlogogy), Pål
	10:45 AM		K / Size Effects on the Crack Growth Rate of Irradiated Stainless Steels of Boiling Water Reactors	Efsing (Ringhals AB) Masato Koshiishi (Nippon Nuclear Fuel Development Country), Ryoji Obata (Hitachi-GE Nuclear Energy, Ltd.), Shigeaki Tanaka (Toshiba Energy Systems & Solutions Corporation)
		W	ednesday, July 20	Corporation)
Salon A	Start Time		Presentation Title	Authors
	8:20 AM	8:45 AM	Effect Of Chromium Dilution On SCC Growth Rate In Inconel Welds	Ainsley Pinkowitz, David Morton, John Mullen, Tyler Mo (Naval Nuclear Laboratory)
PWR SCC CG NBAs Chair: Bogdan Alexandreanu (Argonne				
	8:45 AM	9:10 AM	SCC Of Alloy 152/52 Weld Metals, Weld Repairs, Dilution Zones And Hazs	Peter Andresen (JLN Consulting), Chris Wax (EPRI)

	9:35 AM	10:00 AM	Effect Of Heat Treatment, Cold Working And Long-Term Ageing In Air On The Stress Corrosion Cracking Growth Rate In Simulated PWR Primary Water For Commercial TT Alloy 690 And Alloy 52	Toshio Yonezawa (Retired Tohoku University)
	10:00 AM	10:20 AM	Morning Break - S	Sponsored by Kairos Power Salon B
	10:20 AM		Crack Growth Rate Testing Of Alloy 82 In BWR Environments	Anders Jenssen, Johan Stjärnsäter (Studsvik Nuclear AB), Katsuhiko Kumagai (Tokyo Electric Power Company Holdings)
Salon C&D	Start Time	End Time	Presentation Title	Authors
Plant Chemistry - Day 2 Chair: Michael Wright (CNL) Vice Chairs: Catherine Guerre and Peter Chou (EPRI)	8:20 AM	8:45 AM	Understanding The Effects Of Zn Injection And OLNC-Treatment On 316 Stainless Steel Oxide Under Simulated BWR Conditions	Dora Capone, Ben Spencer, Fabio Scenini, Grace Burke (University of Manchester), Hideyuki Hosokawa (Hitachi Ltd.), Jonathan Duff (University of Manchester), Liberato Volpe, Makoto Nagase, Tsuyoshi Ito (Hitachi-GE), Yoichi Wada (Hitachi Ltd.)
	8:45 AM		Investigating The Effect Of Phosphates On Lead Induced Stress Corrosion Cracking Of Alloy 690TT	Fabio Scenini, Giulia Mazzei, Grace Burke (University of Manchester), Tony Horner (Rolls Royce)
	9:10 AM	9:35 AM	Water Chemistry In Fusion Cooling Systems: Assessment Of Borated Water For The DTT Vacuum Vessel	Claudia Gasparrini (Consorzio RFX), Emanuela Martelli (Dipartimento FSN, ENEA C. R. Frascati), Giuseppe Scatigno (EDF), Luigi Di Pace (Dipartimento FSN, ENEA C. R. Frascati), Mauro Dalla Palma (Consorzio RFX), Nicholas Terranova (Dipartimento FSN, ENEA C. R. Frascati), Piergiorgio Sonato, Roberto Rizzieri (Consorzio RFX), Rosaria Villari, Selanna Roccella (Dipartimento FSN, ENEA C. R. Frascati)
	9:35 AM			Mike Ickes (Westinghouse Electric Company), Dong Lijin, Gary Was (University of Michigan)
	10:00 AM	10:20 AM	Morning Break - S	Sponsored by Kairos Power Salon B
	10:20 AM	10:45 AM	Investigation on Release Rates of Vacuum Tight Threaded Junction (VTTJ) Samples Exposed to Ultrapure Water	Caterina Cavallini, Claudia Gasparrini, Mauro Dalla Palma, Roberto Rizzieri, Piero Agostinetti, Matteo Zaupa, Piergiorgio Sonato (Consorzio RFX), Vaentina Zin, Francesco Montagner, Enrico Miorin (Istituto di Chimica della Materia Condensata e di Tecnologie per l'Energia - CNR), Denis Badocco, Paolo Pastore (Dipartimento di Scienze Chimiche - UNIPD), Alessandro Minarello (Istituto Nazionale di Fisica Nucleare - INFN)
Salon E	Start Time	End Time	Presentation Title	Authors
Mechanistic Understanding Chair: Thierry Couvant (EDF R&D) Vice Chairs: Bryan Miller, Grace Burke	8:20 AM	8:45 AM	Effect Of Residual Strain On Short Time Oxidation Kinetics In PWR Simulated Primary Water	Rachel English, Bryan Webler (Carnegie Mellon University), John Savchik, Kevin Fisher (Naval Nuclear Laboratory)
(University of Manchester), and Karen Kruska (PNNL)	8:45 AM	9:10 AM	The Effect Of Strain On Surface Residual Stress In Alloy 600 Tensile Specimens	Karyn Cooper, Jennifer Borg, Mark Chatterton, Sonya Pemberton, William Brayshaw, Stuart Medway (Jacobs)
	9:10 AM	9:35 AM	Effect Of Applied Stress On The Selective Oxidation Of Ni-Base Alloys Exposed To PWR Primary Water And Rhines Pack Environments	Karen Kruska, Brian Riley, Daniel Schreiber, Matthew Olszta, Ziqing Zhai (PNNL)
	9:35 AM		_	Peter Chou (EPRI), Daniel Schreiber, Karen Kruska, Matthew Olszta, Ziqing Zhai (PNNL)
	10:00 AM	10:20 AM	Morning Break - S	Sponsored by Kairos Power Salon B
	10:20 AM			Martin Weiser, Daniel Schreiber, Karen Kruska, Mark Engelhard, Matthew Olszta (PNNL)
	10:45 AM	11:10 AM	Characterization Of Grain Boundary Cavity Evolution During Long-Term Crack Initiation Testing Of Cold Worked Alloy 690 In Simulated PWR Primary Water	Ziqing Zhai, Jing Wang, Matthew Olszta, Mychailo Toloczko, Stephen Bruemmer (PNNL)
	11:10 AM	11:35 AM	Effect Of Localized Stress On Initiation Of IGSCC	Takaharu Maeguchi (Mitsubishi Heavy Industries, Ltd.)
	11:35 AM	12·00 PM	Dealloying And Its Relationship To SCC Of	Hooman Gholamzadeh, Adil Shaik, Bander Alsekhan, Kevin Daub, Mark Daymond, Matthew Topping, Suraj Persaud (Queen's University)
	12:00 PM	1:20 PM		ch on Your Own
	1:20 PM	1:45 PM	Long-Term Corrosion Behavior Of Borated Stainless Steel In Simulated Spent Fuel Pool Environment	Dae Hyeon Park (Ulsan National Institute of Science and Technology), Donghee Lee (KHNP), Ji Hyun Kim, JUNHYUK HAM (Ulsan National Institute of Science and Technology), Kiyoung Kim (KHNP), Seung Chang Yoo (Ulsan National Institute of Science and Technology), Yongdeog Kim (KHNP), YUNJU LEE (Ulsan National Institute of Science Technology)

	1:45 PM	2:10 PM	To Repair Nuclear Power Plant Components	Wei Tang, Maxim Gussev, Xiang Chen, Thomas Rosseel (ORNL)
Salon E	Start Time	End Time	Presentation Title	Authors
Plant Operating Experience Chair: Pål Efsing (Ringhals AB)	2:35 PM	3:00 PM	Leveraging Risk Insights For Aging Management At Nuclear Power Plants	Emma Wong, Andrew Mantey, Jean Smith (EPRI), Samuel Johnson
Vice Chair: Ian DE CURIERES (IRSN)	3:00 PM	3:25 PM	Microstructure Characterization Of Alloy 600TT Steam Generator Tubing	Brent Capell (EPRI), Amanda Jenks, Charles Marks (Dominion Engineering, Inc.)
Salon A	Start Time	End Time	Presentation Title	Authors
Advanced Reactors and SMRs	1:20 PM		Investigation Of Structural Materials And Techniques For Microreactor Fabrication	Lindsay O'Brien (Los Alamos National Laboratory)
Chair: George Young (Kairos Power) Vice Chairs: Lindsay O'Brien (Los Alamos National Laboratory) and Theodore Besmann (University of South Carolina)	1:45 PM	2:10 PM	Assessing Environmentally Assisted Cracking Of Structural Alloys In Molten Salts	George Young, Andrew Brittan, Anne Demma, Ekaterina Tsotsos (Kairos Power), Jake Quincey, Julie Tucker (Oregon State University), Micah Hackett, Pit Schulze (Kairos Power), Samuel Briggs (Oregon State University)
	2:10 PM	2:35 PM	Assessing Stainless Steel Compatibility In Flowing Fluoride Salts	Bruce Pint, Cory Parker, Dino Sulejmanovic, Rishi Pillai, Yi Feng Su (ORNL)
	2:35 PM	3:00 PM	Development And Application Of A Thermochemical Database (MSTDB-TC) To Modeling Corrosion In Molten Salt Reactors	Theodore Besmann, Amir Mofrad, Jacob Yingling (University of South Carolina), Jake McMurray (ORNL), Johnathan Ard, Juliano Schorne-Pinto (University of South Carolina), Kaitlin Johnson (ORNL), Mahmut Aslani, Matthew Christian (University of South Carolina)
	3:00 PM	3:25 PM	High Temperature Corrosion And Stress Corrosion Investigations Of SS316 In Molten Nitrate Salt	George Young, Andrew Brittan (Kairos Power), Andrew Dong (University of California at Berkeley), Anne Demma, Augustus Merwin, Camilla Stitt, Ekaterina Tsotsos, Micah Hackett (Kairos Power), Peter Hosemann (University of California Berkeley), Pit Schulze, Sam Mossadeghian (Kairos Power)
	3:25 PM	3:45 PM	Aft	ernoon Break
Salon C&D	Start Time	End Time	Presentation Title	Authors
Special Topics Chair: Gabriel llevbare	1:20 PM	1:45 PM	Corrosion Behavior Of Welded Austenitic Stainless Steels In Coastal Atmospheric Environment	Mei-Lin Chen, Tsung-Kuang Yeh (National Tsing-Hua University)
Vice Chairs: Hong Pyo Kim and Nicolas Huin	1:45 PM	2:10 PM	Effect Of Microstructure On Mechanical Behaviour Of Ni-Base Alloy Dissimilar Metal Welds	Noora Hytönen, Yanling Ge, Zaiqing Que, Sebastian Lindqvist, Jari Lydman, Ulla Ehrnsten (VTT Technical Research Centre of Finland), Paavo Rautala (Teollisuuden Voima Oyj), likka Virkkunen (Aalto University), Pål Efsing (Ringhals AB).
	2:10 PM	2:35 PM	Effects Of A' On Corrosion And Mechanical Properties In Fecral Alloys	Andrew Hoffman (GE Global Research), Dan Lutz (Global Nuclear Fuel Americas), Evan Dolley, Rajnikant Umretiya, Raul Rebak, Richard Blair (GE Global Research), Russ Fawcett (GNF), Timothy Jurewicz (GE Global Research)
	2:35 PM	3:00 PM	Tests On Chloride-Induced Stress Corrosion Cracking In Austenitic Stainless Steel Welds For Dry Storage Canister Application	Seunghyun Kim, Chang-Young Oh, Dong-Jin Oh, Gidong Kim, Sang Woo Song (Korea Institute of Materials Science)
	3:25 PM	3:45 PM	Aft	ernoon Break Salon B
Salon C&D	Start Time	End Time	Presentation Title	Authors
Life Beyond 80 Chair: Thomas Rosseel (Oak Ridge National Laboratory)	3:45 PM	4:10 PM	Long-Term Aging Behavior Of Cold-Worked Alloy 690 In Simulated PWR Primary Water	Ziqing Zhai, Matthew Olszta, Mychailo Toloczko (PNNL)
Vice Chairs: Bogdan Alexandreanu (Argonne National Laboratory), Frank Garner (Radiation	4:10 PM	4:35 PM	Stress Corrosion Cracking Behaviour Of Thermally Aged Alloy 182	Siddharth Suman, Hans-Peter Seifert, Philippe Spatig, Stefan Ritter (Paul Scherrer Institute)
Effects Consulting) and Matthew Hiser (USNRC)	4:35 PM	5:00 PM	Environment	Bogdan Alexandreanu, Wei-Ying Chen, Xuan Zhang, Yiren Chen (Argonne National Laboratory)
	5:00 PM	5:25 PM	Long-Term Performance Of High-Cr, Nickel- Based Weld Alloys In LWR Environments	Bogdan Alexandreanu, Xuan Zhang, Yiren Chen (Argonne National Laboratory)
Salon B	Start Time	End Time	Presentation Title	Authors
Poster Session Reception Chair: David Morton (NNL)			A Hydrothermal Phase Diagram For The Low- Temperature Synthesis Of Non-Stoichiometric Nickel Ferrite Powders	Bhavani Sasank Nagothi, Kathleen Dunn (SUNY Polytechnic Insistute (CNSE), John Arnason (Fluor Marine Propulsion, LLC)
			Facility: Oxide Development On 304L Stainless Steel In High Temperature Oxygenated Solutions	Vindel Ramsundar, Suraj Persaud, Mark Daymond, Kevin Daub (Queen's University)
			Enhanced Resistance To Corrosion And Irradiation Of Nanostructured Steels Fabricated Using Severe Plastic Deformation	Andrew Hoffman, Raul Rebak (GE Research), Maalavan Arivu, Jiaqi Duan, Haiming Wen (Missouri University of Science & Technology)

	5:30 PM		Examining Alkali Silica Reaction Of Radiation-Damaged Quartz And Feldspar Minerals Exploring The Influence Of Surface Machining Treatments On Microstructure And Environmentally Assisted Cracking On Alloy 182 Manufacturing And Microstructural Factors Impacting The PWSCC Resistance Of PM-HIP Alloy 625 Microstructural Characterization of Alloy 182 Weld Metal in the Context of its Stress Corrosion Cracking Behavior in Zinc Water Chemistry of Light Water Reactors Radiolysis Modeling Along A PWR Fuel Assembly: A Parametric Analysis Study Of The Effect Of Advanced Machining Processes On The Corrosion Behavior Of An Austenitic Stainless Steel 316 L The Effect Of Hydrogen And Oxidation Induced Strains On Corrosion Performance Of Zircaloy	Quirina Roode-Gutzmer, Shavkat Akhmadaliev, Astrid Barkleit, Christiane Rößler, Stafan Schymura, Thorsten Stumpf (Helmholtz Zentrum Dresden Rossendorf) Liberato Volpe, Grace Burke, Jonathan Duff, Fabio Scenini (University of Manchester) Timothy Watkins, Philip Platt (Rolls-Royce) Adrianna Mackiewicz, Kai Chen, Stefan Ritter, Hans-Peter Seifert (Paul Scherrer Institute), Sannakaisa Virtanen (University Erlangen Nuremburg) Damien Kaczorowski (Framatome) Alberto Sáez, Francisco Perosanz, Maria Luisa Ruiz- Lorenzo (CIEMAT) Sarah Sherry, Aidan Cole-Baker, Mark Fenwick, Alistair Garner, Jennifer Pryde, Abigail Savage (Jacobs)
			Understanding Fouling Phenomena Of Venturi Flowmeter And Its Remedial Technology In Nuclear Power Plants	Dongseok Lim (FNC Technology Co., Ltd)
		7	hursday, July 21	
Salon A	Start Time		Presentation Title	Authors
Life Beyond 80 - Day 2 Chair: Thomas Rosseel (Oak Ridge National Laboratory)	8:20 AM	8:45 AM	LWR Aging Management For Life Beyond 80	Thomas Rosseel, Elena Tajuelo Rodriguez (ORNL), Leo Fifield (PNNL), Xiang Chen (ORNL)
Vice Chairs: Bogdan Alexandreanu (Argonne National Laboratory), Frank Garner (Radiation Effects Consulting) and Matthew Hiser (USNRC)	8:45 AM	9:10 AM	The Complexity And Challenges Of Irradiation- Induced Phase Instability Phenomenon In Nuclear Power Plant Components	Mihail Merezhko, Diana Merezhko (Insitute of Nuclear Physics), Frank Garner (Radiation Effects Consulting), Maxim Gussev, Thomas Rosseel (ORNL)
	9:10 AM	9:35 AM	Life Beyond 80: Can Concrete Degradation' Synergetic Modes Become Showstoppers?	Yann Le Pape, Amani Cheniour, David Arregui Mena, Elena Tajuelo Rodriguez, Paula Bran Anleu, Thomas Rosseel, Yujie Li (ORNL)
	9:35 AM	10:00 AM	Online Test / Verification Of Cable Insulation Condition	Samuel Glass, Aishwarya Sriraman, Leo Fifield, Mychal Spencer (PNNL)
	10:00 AM	10:20 AM	M	orning Break Salon B
	10:20 AM	10:45 AM	Regulatory Research On The Aging Management Of Structures, Systems, And Components In Nuclear Power Plants Supporting Long Term Operation	Mark Yoo, Matthew Hiser, Eric Focht, Amy Hull, Carol Moyer, Robert Tregoning (USNRC)
	10:45 AM	11:10 AM	EPRI'S Approach To Longer Term Operations	Emma Wong, Andrew Mantey, Jean Smith (EPRI), Samuel Johnson
	11:10 AM	11:35 AM	U.S. Perspective On Harvesting And Archiving Of Aged Components To Improve Materials Degradation Knowledge And Inform Aging Management	Matthew Hiser (USNRC), Peng Xu, Colin Judge (INL), Jean Smith, (EPRI), Robert Tregoning (USNRC)
	11:35 AM	12:00 PM	Environmental Degradation Of Materials Considered For Accident Tolerant Fuels In Light Water Reactors.	Raul Rebak, Andrew Hoffman (GE Research), Dan Lutz, Russ Fawcett, Yang Lin (Global Nuclear Fuel)
	12:00 PM	1:20 PM		ch on Your Own
	1:20 PM	1:45 PM		Daniel Brimbal, Annie Pagès, Bénédicte Gueraud (Framatome), Cecilie Duhamel (Centre des Materiaux - MINES ParisTech), Claude Benhamou (Materials Engineering Consulting), Michael Burke (EPRI), Pierre Joly (Framatome)
	1:45 PM	2:10 PM		Caitlin Huotilainen, Noora Hytönen (VTT Technical Research Centre of Finland), Petri Kytömäki (Fortum Power and Heat Oy), Petteri Lappalainen (VTT Technical Research Centre of Finland), Ritva Korhonen, Santtu Huotilainen (Fortum Power and Heat Oy), Yanling Ge, Zaiqing Que (VTT Technical Research Centre of Finland)
	2:10 PM	2:35 PM	Discussion On Long Range Ordering Of Ni- Based Alloys Used In BWR Environment	Yun Wang, Ryoji Obata, Shinichi Ishioka (Hitachi-GE Nuclear Energy, Ltd.)
Salon C&D	Start Time	End Time	Presentation Title	Authors

PWTS Staffniess Steel Testing Court-Type Mass (Base) Molecular Liboration) Visc Clusters, Switter Berg (Jacobs) and Mitch Months (Cit.) 8-45 AM 9-19 AM 8-45 AM 9-19 AM 8-45 AM 9-19 AM 9-19 AM 10-20					
B - 6.4 5 AM 9 - 10 AM Dischlores Steller New Tender (Personal Biotrick), Takeyp Yamada (Biotrick) Takeyp Yamada (Biotric	Chair: Tyler Moss (Naval Nuclear Laboratory)	8:20 AM	8:45 AM		David Morton, Tyler Moss (Naval Nuclear Laboratory)
9-10 AM 9-35 AM 19-00 See Provided Prov	Mattucci (CNL)	8:45 AM	9:10 AM	Curves For Stress Corrosion Cracking Of	(EPRI), Takumi Terachi (Kansai Electric), Takuyo Yamada
9:35 AM 10:00 AM 10:20 AM 10:2		9:10 AM	9:35 AM	Susceptibility And Oxidation Of Cold-Worked	Duhamel (Centre des Matériaux - Mines Paristech), Fréderic Datcharry (CEA), lan De Curieres (IRSN), Jérôme Crepin (Centre des Matériaux - Mines Paristech), Marc
10:00 AM 10:20 AM 10:20 AM 10:20 AM 10:20 AM 10:45 AM		9:35 AM	10:00 AM	Behavior Of 304 Stainless Steel In Deaerated	
10-20 AM 10-45 AM Characterization of 20 As State 10-45 AM Characterization 10-45 AM Characterization 10-45 AM Characterization 10-45 AM 11-10 AM 11-36 AM 20-45 AM Characterization 10-45 AM Characterization 10-20 AM 10-45 AM Characterization 10-20 AM 1		10:00 AM	10:20 AM	M	
Stress Corrosion Cracking Testing Of		10:20 AM	10:45 AM	Characterization of 304 Stainless Steel in	
11:35 AM 30400LL Statistics Steel Elbovs in Decerated and Aurated Water Aurated Water and Aurated Water Au		10:45 AM	11:10 AM	Stress Corrosion Cracking Testing Of Laboratory Processed 304/304L Stainless Steel	
11:33 AM 12:00 PM 12:		11:10 AM	11:35 AM	Fatigue and Stress Corrosion Cracking of 304/304L Stainless Steel Elbows in Deaerated	
1:20 PM 1:20		11:35 AM	12:00 PM		, , , , , , , , , , , , , , , , , , ,
1:29 PM 1:45 P		12:00 PM	1:20 PM		
2:10 PM 2:20 AM 3:20 AM 3:2		1:20 PM	1:45 PM	Fatigue Specimens And Component Relevant Loading Conditions At Welds Using Bending	Michael Grimm, Matthias Herbst (Framatome)
Salon E Start Time End Time Presentation Title Adhesion And Wear Resistance Of PVD Nitride-Based Coatings On Zircalory Substrates 8:20 AM 8:45 AM 9:10 AM 8:45 AM 9:10 AM 8:45 AM 9:10 AM 8:45 AM 9:10 AM 9:35 AM 10:00 AM 1		1:45 PM	2:10 PM	_	Jean Smith (EPRI), Mattias Thuvander (Chalmers
Achesion And Wear Resistance Of PVD Nitride- Heldi Nordin, Caitlin Dever, Ryan Matthews (CNL)		2:10 PM	2:35 PM		Takuyo Yamada (Kansai Electric Power Company)
Sizo AM Sizo	Salon E	Start Time	End Time		
Nordin (CNL), and Peng Wang (University of Michigan) 8:45 AM 9:10 AM 9:35 AM 10:00 AM 10:20 AM 10:20 AM 10:45 AM 10:45 AM 11:10 AM 11:35 AM 12:00 PM Nand Infrared Thermography Techniques To Evaluate Fuel Cladding Behavior During Accident Conditions Accident Conditions in PWR Fuel Cladding 9:10 AM 9:35 AM 10:00 AM 10:20	Chair: Jacqueline Stevens (Framatome)	8:20 AM	8:45 AM	Based Coatings On Zircaloy Substrates	
9:35 AM 10:00 AM 10:20 AM 10:20 AM 10:20 AM 10:20 AM 10:20 AM 10:20 AM 10:45 AM 10:45 AM 11:35 AM 12:00 PM 11:35 AM 12:00 PM 12:0	Nordin (CNL), and Peng Wang (University of	8:45 AM	9:10 AM	And Infrared Thermography Techniques To Evaluate Fuel Cladding Behavior During	
10:00 AM 10:20 AM 10:45 AM 10:		9:10 AM	9:35 AM	Ion Concentration Conditions In PWR Fuel	`
10:20 AM 10:20 AM 10:20 AM 10:20 AM 10:20 AM 10:20 AM 10:45 AM 10:		9:35 AM	10:00 AM	Heavy-Water At 300°C	` ′
Creep Using TEM With In-Situ Ion Irradiation And Straining Creep Using TEM With In-Situ Ion Irradiation And Straining Creep Using TEM With In-Situ Ion Irradiation And Straining Carner, Alistair Norris (Jacobs), Graeme Greaves (University of Huddersfield), Philipp Frankel, Rhys Thomas, Robert Harrison (University of Manchester) Laboratory Characterization of Zircaloy-4 Water Channel Material Channel Material Microstructural Changes In Ion Irradiated Zircaloy-4 And Influence On Corrosion Kinetics (EPRI) Alistair Norris (Jacobs), Graeme Greaves (University of Huddersfield), Philipp Frankel, Rhys Technologies, Inc.), Kevin Mon (Framatome), John Beale (EPRI) Alistair Garner, Alistair Norris (Jacobs), Frankel (University of Manchester), Mark Fenwick (Jacobs), Philipp Frankel (University of Manchester), Sam Armson, Sarah Sherry (Jacobs) Nanoscale Characterization of the Oxide Formed on a Neutron-Irradiated Zr-2.5Nb Alloy in High Temperature Water Cody Williams, James Hyres, Cody Campbell (BWX Technologies, Inc.), Kevin Mon (Framatome), John Beale (EPRI) Alistair Garner, Alistair Norris (Jacobs), Technologies, Inc.), Kevin Mon (Framatome), John Beale (EPRI) Alistair Garner, Alistair Garner, Aidan Cole-Baker, Conor Gillen (Jacobs), Kieran Lynch (University of Manchester), Mark Fenwick (Jacobs), Philipp Frankel (University of Manchester), Sam Armson, Sarah Sherry (Jacobs) Nanoscale Characterization of the Oxide Formed on a Neutron-Irradiated Zr-2.5Nb Alloy in High Temperature Water		10:00 AM	10:20 AM	M	_
11:10 AM 11:10 AM Channel Material Channel Material Technologies, Inc.), Kevin Mon (Framatome), John Beale (EPRI) Microstructural Changes In Ion Irradiated Zircaloy-4 And Influence On Corrosion Kinetics 11:10 AM 11:35 AM 11:35 AM 11:35 AM 12:00 PM Channel Material Technologies, Inc.), Kevin Mon (Framatome), John Beale (EPRI) Alistair Garner, Aidan Cole-Baker, Conor Gillen (Jacobs), Kieran Lynch (University of Manchester), Mark Fenwick (Jacobs), Philipp Frankel (University of Manchester), Sam Armson, Sarah Sherry (Jacobs) Nanoscale Characterization of the Oxide Formed on a Neutron-Irradiated Zr-2.5Nb Alloy in High Temperature Water Adil Shaik, Kevin Daub, Mark Daymond, Matthew Topping, Suraj Persaud (Queen's University)		10:20 AM	10:45 AM	Creep Using TEM With In-Situ Ion Irradiation	Garner, Alistair Norris (Jacobs), Graeme Greaves (University of Huddersfield), Philipp Frankel, Rhys
Ti:10 AM 11:35 AM 2 Irrcaloy-4 And Influence On Corrosion Kinetics (Jacobs), Philipp Frankel (University of Manchester), Sam Armson, Sarah Sherry (Jacobs) Nanoscale Characterization of the Oxide Formed on a Neutron-Irradiated Zr-2.5Nb Alloy in High Temperature Water Kieran Lynch (University of Manchester), Mark Fenwick (Jacobs), Philipp Frankel (University of Manchester), Sam Armson, Sarah Sherry (Jacobs) Adil Shaik, Kevin Daub, Mark Daymond, Matthew Topping, Suraj Persaud (Queen's University)		10:45 AM	11:10 AM	Laboratory Characterization of Zircaloy-4 Water Channel Material	Technologies, Inc.), Kevin Mon (Framatome), John Beale
11:35 AM 12:00 PM Formed on a Neutron-Irradiated Zr-2.5Nb Alloy in High Temperature Water		11:10 AM	11:35 AM	_	Kieran Lynch (University of Manchester), Mark Fenwick (Jacobs), Philipp Frankel (University of Manchester), Sam
12:00 PM 1:20 PM Lunch on Your Own		11:35 AM	12:00 PM	Formed on a Neutron-Irradiated Zr-2.5Nb Alloy	
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1:20 PM	Simulation Of Neutron Irradiation Effects On Zr(Fe,Cr)2 Precipitates In Zircaloy-4 Using A Two-Step Proton Irradiation	Peng Wang, Gary Was (University of Michigan)
1:45 PM	Cladding	David Frazer (INL), Benjamin Maier (Westinghouse), Colin Judge, Daniel Murray, Fei Teng (INL), Jaworski Allan, Jonathan Wright, Jorie Walters, Luke Olson (Westinghouse)