

## TABLE OF CONTENTS

	Page
<b>SESSION 1</b>	
<b>Evolution of the Darlington F/H Computer Systems .....</b>	1
V. Leung and B. Crouse, Ontario Hydro, Darlington	
<b>Configurable Logic in Fuel Handling Control .....</b>	9
W. Ernst and D. Rayment, GE Canada	
<b>Pursuit of Excellence in F/H Operator Performance</b>	
B. Keelan and B. Curle, Ontario Hydro, Darlington .....	15
<b>Better Fuel Handling Performance Through Improved Elastomers and Seals .....</b>	23
R. Wensel and R. Metcalfe, AECL	
<b>Pickering Irradiated Fuel Transfer Conveyor Isolation .....</b>	31
D. Koivisto and L. Eijsermans, AECL	
<b>Fuel Handling at Cernavoda 1 N.P.S. – Commissioning and Training Philosophy .....</b>	41
G. Standen, C. Tiron and S. Marinescu	
New Brunswick Power (AECL-Ansaldo Consortium) / RENEL / FCNE (Romania)	
<b>SESSION 2</b>	
<b>Fuel Handling Solutions to Power Pulse at Bruce 'A' .....</b>	51
R. Day, Ontario Hydro, Bruce A	
<b>Fuel String Supporting Shield Plug for Bruce 'A' .....</b>	65
P. Henry, GE Canada	
<b>Fuelling with Flow at Bruce 'A' .....</b>	75
M. Gray, GE Canada	
<b>Bundle 13 Position Verification Tool – Description and On-Reactor Use .....</b>	83
T. Onderwater, GE Canada	
<b>Operation and Maintenance of the SLAR System at Bruce 'A' .....</b>	93
S. Ahuja, Ontario Hydro, Bruce A	
<b>Mini-SLAR Delivery System .....</b>	103
D. Alstein and K. Dalton, Ontario Hydro, Bruce A / Spectrum Engineering	
<b>SESSION 3</b>	
<b>CANDU 9 Fuelling Machine Carriage .....</b>	111
D. Ullrich and J. Slavik, AECL	
<b>CANDU 9 Fuel Transfer System .....</b>	121
Z. Keszthelyi and D. Morikawa, GE Canada / AECL	

SESSION 3 (continued)	Page
<b>Overview of the CANDU Fuel Handling System for Advanced Fuel Cycles .....</b>	135
D. Koivisto, D. Brown and V. Bajaj, AECL	
<b>Demonstrating the Compatability of Canflex Fuel Bundles with a CANDU 6 Fuelling Machine.....</b>	137
P. Alavi, I. Oldaker, H. Suk and C. Choi, AECL / KAERI (Korea)	
<b>Design of Fuelling Machine and Carriage to Meet Seismic Qualification Requirements .....</b>	145
A. Ghare, A. Chhatre, A. Vyas and H. Bhambra	
Nuclear Power Corporation of India	
<b>Structural Analysis of Fuel Handling System .....</b>	155
L. Lee, AECL	
 <b>SESSION 4</b>	
<b>Pickering Dry Storage — Commissioning and Initial Operation .....</b>	165
S. Jonjev, Ontario Hydro, Pickering	
<b>Bruce Used Fuel Dry Storage Project — Evolution from Pickering to Bruce .....</b>	175
R. Young, Ontario Hydro, Bruce NPD	
<b>Pickering Fuel Handling Decontamination: Facilities and Techniques .....</b>	185
R. Pan, Ontario Hydro, NTS	
<b>Darlington Head 8 Commissioning .....</b>	195
P. Skelton, T. Sie and J. Pilgrim, Ontario Hydro, Darlington / GE Canada	
<b>Fuel Handling System of Indian 500 MWe PHWR — Evolution and Innovations .....</b>	201
A. Sanatkumar, I. Jit and G. Muralidhar, Nuclear Power Corporation of India	
 <b>POSTER SESSION PAPERS</b>	
<b>Analysis of Fuel Handling System for Fuel Bundle Safety During Station Blackout in 500 MWe PHWR Unit of India.....</b>	211
R. Madhuresh, R. Nagarajan, I. Jit and A. Sanatkumar	
Nuclear Power Corporation of India	
<b>Evolution of the Design of Fuel Handling Control System in 220 MWe Indian PHWRs.....</b>	221
L. Dhruvanarayana, H. Gupta and M. Bharathkumar	
Nuclear Power Corporation of India	