

World Nuclear Fuel Cycle Conference

(WNFC 2014)

**San Francisco, California, USA
8-11 April 2014**

ISBN: 978-1-63439-083-5

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2014) by the Nuclear Energy Institute
All rights reserved.

Printed by Curran Associates, Inc. (2014)

For permission requests, please contact the Nuclear Energy Institute
at the address below.

Nuclear Energy Institute
1776 I Street NW, Suite 400
Washington, DC 20006-3708

Phone: (202) 739-8000
Fax: (202) 785-4019

www.nei.org

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2634
Email: curran@proceedings.com
Web: www.proceedings.com

TABLE OF CONTENTS

Fuel Performance & Reliability	1
<i>C. Akiri</i>	
About the Climate Change Challenge	7
<i>A. Bucaille</i>	
Learning the Right Lessons from Fukushima - A New Paradigm for a Brighter Future	18
<i>M. Caplan</i>	
Development at Husab	22
<i>S. Davies</i>	
A Stronger Future	35
<i>J. Donelson</i>	
Third-Generation Laser Enrichment of Uranium Hexafluoride	46
<i>J. Eerken</i>	
Swedish Nuclear Fuel and Waste Management Company	53
<i>S. Engstrom</i>	
A Look Back at the Uranium Renaissance	57
<i>W. Heili</i>	
Industry-Government Partnership on Nonproliferation	66
<i>G. Hund</i>	
SHALE GAS: Potential Impacts on Global Nuclear Markets	81
<i>J. Joosten</i>	
Complying with U.S. Nuclear Export Controls: Overview and Key Issues for Nuclear Fuel Companies	94
<i>A. Kuntamukkala</i>	
A Success Story of Used Fuel Transport	109
<i>D. Dapei, C. Leprunier</i>	
The Development of Dry Spent Fuel Storage in China	127
<i>J. Liu</i>	
Enrichment Fairy Tales	137
<i>M. Mann</i>	
The Outlook for Nuclear Energy in the U.S. and Worldwide	141
<i>R. Myer</i>	
Challenging Our Fundamental Communications Precepts	158
<i>S. Peterson</i>	
Depleted Uranium - Weath or Waste	177
<i>J. Putkonen</i>	
Worldwide Outlook	182
<i>A. Rising</i>	
Enabling Sustainable Uranium Production in a Global Context	197
<i>H. Tulsidas</i>	
Sustainable Cycle Solutions for Smooth and Optimized Nuclear Development	210
<i>H. Zaccai</i>	
Author Index	