

# CONTENTS

## *Treatment Plant Trends*

### **Innovations and Trends in Uranium Ore Treatment**

*Alan Taylor – ALTA Metallurgical Services - Australia*

### **Water Saving**

*Paul Xuereb – John Crane - Australia*

## *Project Development*

### **The Potential For Uranium Recovery At Nolans**

*Karin Soldenhoff and Elizabeth Ho – ANSTO; Steve Mackowski – Arafura Resources Ltd - Australia*

### **Utilisation of Prompt Fission Neutron Technology in Greenfields Uranium Exploration**

*Patrick Mutz – Uranium Exploration Australia Ltd - Australia*

### **Acid Mine Drainage Issues**

*Andrew Garvie – SRK Consulting - Australia*

## *Solvent Extraction/Ion Exchange*

### **Uranium Recovery from Acid Leach Liquors: IX or SX?**

*Deon van Tonder - Bateman Engineering NV – South Africa; Marthie Kotze – Mintek – South Africa*

### **Expansion Capacity of a SX unit – Modelling and Pilot Tests.**

*B. Courtaud F. Auger, P. Morel and F. Meze – Areva NC SEPA/LAB - France*

### **Labotatory - Pilot Plant Interaction In The Development Of SX Processes Using Bateman Pulsed Columns And Bateman Settlers™**

*Baruch Grinbaum - Bateman Solvent Extraction – Israel; John Riordan - Bateman Solution Purification Group - Australia*

## *Process Design*

### **Comparison of Alternative Oxidants for Uranium Ore Leaching**

*E. Ho and R. Ring – ANSTO – Australia*

### **Ferrous Oxidation with SO<sub>2</sub> – Air: An alternative Uranium Leaching System?**

*Eberhard Ktause – Hydromet Solutions Inc. – Canada*

### **Design of Acid Leach - SX Uranium Plants**

*Alan Taylor – ALTA Metallurgical Services - Australia*

### ***In-Situ Leaching Forum***

#### **Study On The In-Situ Leaching Of Sandstone Uranium Ore By Alkali Reagent With Dissolved Oxygen Under Pressure**

*Jianguo Zhang and Qi Jing - Beijing Research Institute of Chemical Engineering and Metallurgy – China; John L. Provis and Jannie S. J. van Deventer – University of Melbourne - Australia*

#### **Overview of Global In-Situ Leach Technologies and Innovation**

*Nick Lynn – Lyntek Inc. - USA*

#### **Variations in Permeability and Sedimentology and Their Effect on the In-Situ Leaching of the Beverley Uranium Deposit**

*Chris Daniel, Lynelle Beinke, Rick Pobjoy, Charles Nesbitt and Ric Phillips – Heathgate Resources Pty Ltd - Australia*