

CONTENT

1. **Hydraulic Basics on Pumps and Tools for Research and Development**
Prof. em. Dr.-Ing. Bernd Stoffel, Darmstadt University of Technology
2. **Pumps and Valves**
 Requirements in RO Plants
Prof. Dr. Siegfried Ripperger, TU Kaiserslautern
Claus Mertes, DME GmbH, Germany
3. **Sal Tec N – KSB's enhanced pressure exchanger**
Stefan Schäfer, KSB Aktiengesellschaft, Germany
4. **Water Valves**
Pascal Viaud, KSB Aktiengesellschaft, France
5. **Optimsation of Intake Design between Components and Wet Contour**
Björn Behrends, KSB Aktiengesellschaft, Germany
6. **IN-TA-CT® – An Integrated Concept for Pump Protection and Pre-Treatment in SWRO Desalination Plants**
Detlef Gille, Taprogge GmbH, Germany
7. **Experiences in Design Operation and Maintenance of RO-Seawater Desalination Plant at the Red Sea**
Dipl.-Ing. Hans-Ulrich Baldes, WWWS AG, Germany
8. **Pumps for Pre- and Posttreatment of RO Plants**
Gerd Holthausen, ProMaqua GmbH, Germany
9. **Corrosion of Seawater Pumps**
Dr. Maïke van Geldern, Bernd Schramm, KSB Aktiengesellschaft, Germany
10. **Digital Dosing Pumps in Desalination**
Matthias Ulmer, Grundfos GmbH, Germany