




## COURSE AGENDA

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| <b>I. WELCOME, INTRODUCTIONS &amp; AGENDA/CD REVIEW</b>  | 1400–1415 |
| <b>II. MEMBRANE PLANT FOULING MANAGEMENT</b>   | 1415–1500 |
| ❖ Objectives & Criteria of Effective Fouling Management  |           |
| ❖ Fouling Prevention & Control Strategies  |           |
| ❖ Identification of Fouling Types  |           |
| ➤ Biological Fouling   |           |
| ➤ Organic & TEP Fouling  |           |
| ➤ Colloidal & Iron Fouling   |           |
| <b>III. FOULING, PERFORMANCE MONITORING &amp; MEASUREMENT</b>  | 1500–1600 |
| ➤ Trending vs. Real-Time Fouling Measurement & Monitoring  |           |
| ➤ SWRO/NF Flux Decline & UF/MF Permeability Performance  |           |
| ➤ <b>SMART™</b> Technology: The Innovative Solution  |           |
| ➤ Fouling & Non-Fouling Plant Case Studies   |           |
|  <i>SESSION BREAK</i>  | 1600–1615 |
| <b>IV. MEMBRANE FOULING DIAGNOSTIC TOOLS</b>   | 1615–1645 |
| ➤ Seven Golden Rules of Troubleshooting  |           |
| ➤ Seven Practical Diagnostic Techniques  |           |
| <b>V. MEMBRANE AUTOPSY &amp; INSPECTION DEMONSTRATION</b>  | 1645–1730 |
| ➤ Demonstration of a Fouled SWRO Membrane Element  |           |
| ➤ Membrane Sampling, Fouling inspection and Testing  |           |
| <b>VI. OPEN DISCUSSION, FEEDBACK &amp; QUESTIONS</b>   | 1730–1800 |
| <b>VII. CERTIFICATE AWARDS &amp; CONCLUSION</b>  | 1800      |