

TRANSFORMERS with a FOCUS ON TAPCHANGERS

- AN INTERACTIVE WORKSHOP

3rd April 2019 | Sydney, NSW

Venue: Hyatt Regency Hotel
161 Sussex St, Sydney

Wharf Rooms 3 and 4

Session Times: 8:30 am till 5:00 pm

Local & International Speakers and Tapchanger Experts



Registration: Go to [CIGRE Transformers Workshop Registration](#)

Who should attend? Presentations will appeal to all industry sectors involved with the transformers - including asset owners, engineers, operators, inspection and maintenance personnel, contractors and suppliers.

| | Session | Speaker |
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| 8:30 | <i>Welcome and Opening</i> | |
| First Session 8:40am - 10:15am | OLTC types and application to different transformer design. Onerous applications | Kevin Newman GE Australia |
| | Voltage regulation, FAT Testing and service considerations | Michael O'Brien GE Australia |
| | ANZ failure statistical evaluation results | Dr Dan Martin TIC |
| | <i>Morning Tea</i> | |
| Second Session 10:45am – 12:45pm | OLTC technology development over the last decades and what is to come in the future | Dr Thomas Smolka MR Australia |
| | DGA for OLTCs, Tapchanger failure modes listed and respective assessment criteria (based on work of Cigre WG A2.49) | Marc Foata MR Germany |
| | Reverse power flow and limitations by OLTC | David Peck Fundamentals Group |
| | Maintenance requirements of tapchangers | Max Philipp Budin-Philipp -Australia |
| | <i>Lunch</i> | |
| Third Session 13:30pm – 15:30pm | OLTC testing (Winding & Dynamic Resistance), Vibro-acoustic testing | Wenyu Guo & Florian Predl – OMICRON Marc Foata – MR Germany |
| | Silver Sulphide formation on tapchanger silver contacts, both OLTC and DETC | Marc Foata -MR Germany Ross Willoughby – GE |
| | How can presence of silver sulphide be detected or suspected? | Marc Foata – MR Germany |
| | Formation of corrosive sulphur and impacts on transformer components, sulphide detection and solutions to deal with corrosive sulphide | Jelena Lukic (TBC) or Marc Foata – MR Germany |
| | <i>Afternoon Tea</i> | |
| Panel Session 15:45pm – 17:00pm | Open Discussion Panel Session facilitated by Kerry Williams & with Kevin Newman, Marc Foata, David Peck, Jelena Lukic (TBC) Wenyu Guo, Max Philipp | |
| 17:00 | Closing Address | |



Delegates are encouraged to consider the following thought provokers and then pose their questions for the **OPEN DISCUSSION PANEL SESSION:**

1. What should an Asset Manager be doing (or not doing) to manage their tapchangers and reduce the risk of failure?

Thought provokers: Can condition monitoring extend TBM intervals or permit CBM, cost of maintenance vs risk of failure, testing regimes, spares management, what is the life span of a tapchanger, is do nothing an option?

2. Which tests should be performed on a DETC or OLTC and how often to determine the tapchanger condition?

Thought provokers: Testing regimes, On-line vs Off-line, too much testing vs too little?

3. When it comes to obsolescence and tapchanger replacements what are the key considerations for an Asset Manager?

Thought provokers: Is run to fail an option? What about different types of tapchangers, like for like or change the mounting, spares management, People - who should maintain, repair, or replace a tapchanger?

Note: Attendees are encouraged to bring additional questions and issues for discussion and if desired, can send any questions that they want raised by the Chair to:

Enquiries@kbikpower.com.au

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Take advantage of the offer and stay for the TechCon Aus-NZ 2019 Conference on 4th and 5th April 2019

Registration for all 3 days has discounts – just follow the link above.

The TechCon Aus-NZ 2019 program can be found here: [TechCon Program](#)

