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Joint Institution Lecture Series

Transformers from Faraday to the Future. What's new?

Hosted by: **Joint Electrical Institutions Sydney - Engineers Australia, IEEE, IET**

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Transformers from Faraday to the Future. What's new?

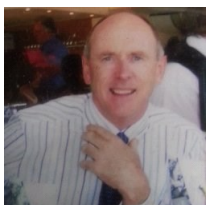
In this talk we would briefly touch on the original work by Michael Faraday on induction and transformers.

New topics to be discussed include:

- 1) New developments in core materials and construction.
- 2) Use of disc foil aluminium windings in HV epoxy cast coils.
- 3) Developments in dry type epoxy transformer design. Including partial discharge and thermal design of IP33 and IP56 enclosures
- 5) Remote data logging using Arduino UNO - How to monitor the temperature and working conditions of the transformer (temperature, humidity, etc.).

About the Speaker

Michael Robert Larkin, Managing Director, Tortech Pty Ltd



Michael Larkin, CP Eng. B Eng. UNSW (Hons)
M.D. Tortech P/L ; M.D. Tortech Lighting P/L

- Michael was a Sir William Tyree scholarship holder in 1973 at the UNSW School of Electrical Engineering.
- He has a financial degree from the Kuring-Gai College of Advanced Education
- Michael's background is in electrical transformers dating back to 1976. He designed the first 500Kv post type outdoor CT while working at Tyree. He has worked at Tyree Electrical, Westinghouse Tyree and Ferguson transformers.
- Michael set up a company in 1987 called Tortech P/L. This company originally specialised in toroidal transformers. Later it branched out to include 3 phase transformers and other products.
- Michael has a keen interest in education and training of undergraduate engineers and Tortech has an interesting internship programme.

VENUE

Harricks Auditorium
8 Thomas Street
Chatswood NSW 2068

DATE & TIME

Thursday 23 Feb 2017
5.30 pm for a 6.00 pm start

Light refreshments will be provided prior to the presentation.
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TICKETS (incl. GST)

EA Members & Students: Free
IEE & IET Members: Free
Non-members: \$30

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