

University Transformer Research Alliance

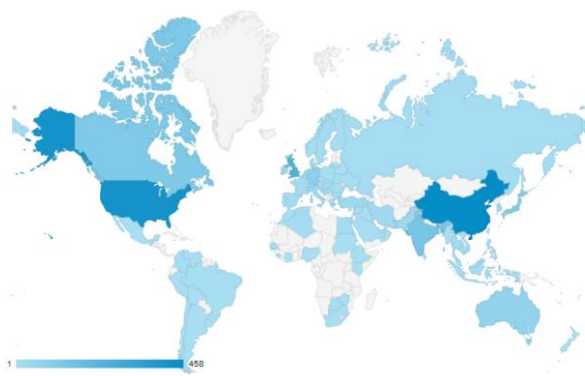
Chairs Report (2019-2020)

The University Transformer Research Alliance (UTRA) was established in February 2019, bringing together five internationally leading transformer research groups from UK, Germany, China and Australia, with the aim to enable the synergic benefits in pursuit of advancement of knowledge in the areas of transformer related research, and through research leadership, strategic research direction and guidance, engaging stakeholders and recognising young talent.

In the first year of UTRA, we worked together to lay a foundation through various publicity campaigns and building new relationships with the wider transformer community. We are pleased to provide the annual report to summarise 2019-2020 achievement.

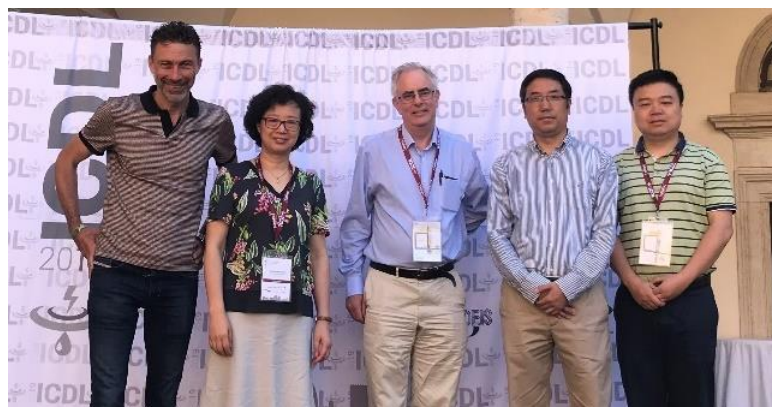
(1) UTRA website

Building the UTRA website (<http://www.university-transformer-research.com/>) was one of our main successes over the past year. So far the website has more than 15,000 hits from all around the world. A major task carried out alongside the development of the website was to bring together over 350 articles from our members and to categorise them into various sections. This list would be a useful reference to the students and young researchers in the field. And we should continue our efforts to ensure the list is widely available to our audiences. In addition, we published 11 technical posts on our website which have received over 6,000 views in total. Recently, we introduced a translation facility into the website which will help us to translate the posts into different languages. I hope this facility will help us to expand our demographic profile to reach a wider community.



Heat map of UTRA website users

(2) UTRA Publicity Campaign @ IEEE-ICDL 2019 Roma



UTRA meeting and promotion campaign held during ICDL 2019

In addition to the website development, we also completed several successful publicity campaigns including IEEE ICDL 2019 Roma conference and CIGRE SC A2 2019 Delhi Colloquium. In June 2019, we produced a one page UTRA leaflet and distributed to the over 200 ICDL participants. We also hold a mid-term tele-conference

during the ICDL conference, thanks to the generosity of Prof Pompili to allow us the meeting room and tele-con facility. The mid-term meeting allowed us to categorise the publications on the UTRA website into subject areas.

(3) UTRA Publicity Campaign @ CIGRE SC A2 2019 Delhi Colloquium

Only Prof Tenbohlen and Prof Wang from UTRA attended the CIGRE SC A2 2019 Delhi Colloquium. The 4 hours taxi trip to Taj Mahal allowed them, as the chair and co-chair of UTRA, to discuss the work plan for UTRA! Individual Membership and collaborations with Transformer Magazine are among the topics discussed. Prof Tenbohlen and Prof Wang used the same UTRA slide at the end of their technical presentation, and the session chair of CIGRE colloquium was also generous enough to allow Prof Wang a 10 minutes presentation slot to introduce UTRA, which further boosted our visibility to the transformer industry community, and in particular the Indian colleagues.

(4) UTRA Publicity Campaign @ Transformer Magazine

A tele-meeting with the editor-in-chief Dr Mladen Banvic was held during the CIGRE SC A2 2019 Delhi Colloquium. An interview by Transformers Magazine was utilised to promote UTRA members and strengthen the relationship between academia and industry, thanks to the coordination by the UTRA secretary, Dr Shanika Matharage.



UTRA brochure

The annual subscription fee for 2020 digital version of Transformer Magazine has been paid by Prof Wang, as the fee is relatively small when UTRA is treated as an organisation with less than 100 employees. Digital magazine is distributed to five universities' transformer research groups for internal use.



Transformer Magazine article

(5) UTRA Column in Transformer Magazine

Due to the success of this interview, we managed to secure a recurring column for UTRA in the Transformer Magazine, where we can use to convey our research ideas and thoughts to the industry on a quarterly basis. I hope our members will take advantage of this opportunity.

(6) Individual Membership

With all these successful promotion campaigns we anticipate more membership requests and therefore the issuing of individual memberships will become a priority for this coming year. An increase in membership will see our impact on the transformer society grow even more enabling us to help set the future direction and foci within our discipline.

Overall, 2019 has proved to be an exciting year for me to work with the UTRA steering committee members, and all the colleagues across the five universities. It is the time for me to hand over the steering of UTRA to Prof Tenbohlen from University of Stuttgart as the Chair and welcome his Co-Chair, Prof Yuanxiang Zhou from Tsinghua University.

I sincerely wish them every success as they guide the UTRA in 2020.

I would also like to thank all members and their teams for the hard work and support provided to surpass our goals.

Prof Zhongdong Wang

UTRA chair in 2019