
Chair's Report – October 2021

NAME OF CHAPTER

Computer Chapter C16

Chair

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We have been sponsoring the following events:

1. IEEE R8 Conference Leadership Virtual Workshop, 20th May, 2021, 7:00 PM.
2. Region 8 student contest, a hardware development competition using Arduino, organised by Lee Crudgington, May 2021.
3. International Conference on Cyber Situational Awareness, Data Analytics and Assessment (CyberSA), 14-Jun-21, Technically-Co-Sponsored.
4. Keynote speech, Computer Science and Electronic Engineering Conference, University of Essex/University of Suffolk, organized by students, Technically-Co-Sponsored.
5. 14th International Conference on Next Generation Mobile Apps, Services and Technologies, Wales, September, 2021, Technically-Co-Sponsored.
6. Keynote speech “Quantum Computing, Neuromorphic Computing & Future Minds”, Prof. Frank Wang, The 2021 International Conference on Computing and Communications Applications and Technologies (I3CAT), 15-Sep-21, Technically-Co-Sponsored.
7. The 2021 14th International Conference on Security of Information and Networks (SIN) - #54109, 8-Dec-21, Technically-Co-Sponsored.
8. CyberSA 2022, Technically-Co-Sponsored (tbc).
9. Cyber Security 2022, Technically-Co-Sponsored (tbc).

Public Lectures, Seminars & Keynote Speeches

Public lectures, Seminars & Keynote Speeches have been arranged within the UK and beyond between April-October 2021. These lectures & speeches brought together researchers and professionals to focus on the emerging field of computer science. The Computer Chapter organised these lectures and speeches in cooperation with other Societies such as ACM British Chapter and BCS [Berkshire Branch, London (South) Branch and Canterbury Branch] and funding bodies such as UK EPSRC and EC Marie Curie Programme. These lectures and speeches increased the public awareness of IEEE, Computer Chapter, and

popularized the knowledge of computer science in general, especially some latest advances in Computer Science.

Encouraging activities in Ireland, Scotland and Wales

Prof. Khalid Al-Begain, the Wales representative, will continue to run the International Conference on Next Generation Mobile Applications, Services and Technologies in Wales in 2021 after having run this series successfully for 15 years. The benefits are more IEEE as well as the Computer Chapter visibility outside England, as more members in other regions have expressed interests in taking active part with the Section and Society activities.

Collaborating with other societies & local organisers

An opportunity is being explored for collaboration between IEEE and BCS. We have planned a conference on Future Generation Computing & Technology in Liverpool with local universities. This was intended to be a technology event with diverse participation from both academia and industry to show case major technologies from Computing to AI, 5G & Robotics, etc.

Students' Participation and Student Membership Recruitment

The Chapter co-sponsors students' activities, which provided opportunities to improve students' participation and student membership recruitment in Computer Science. Traditional, we have sponsored quite a few IEEE Student Congresses by sending keynote speakers, including the 2008, 2013 and 2015 ones.

Athena SWAN (Scientific Women Academic Network) commitments

The chapter executive committee members (including 3 women) in England/Scotland/Ireland/Wales are trying to attract more female members and help the existing female members to develop their careers within the context that women are chronically under-represented in STEM fields (around 11% for electrical engineering and 18% in computer science).
