

## Chair's Report – April 2022

**NAME OF CHAPTER**

Computer Chapter C16

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**Chair**

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**Vice-Chair**

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**Secretary**

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We have been sponsoring/attending the following events:

1. Keynote, “Quantum Computing”, UKSim, Cambridge, 14<sup>th</sup> April, 2022.
2. IEEE R8 Chapter Coordination meeting. Friday, Apr 1, 2022 1:30 pm (UTC+02:00) Brussels.
3. Keynote speech, “Future Computing & Minds”, The 2021 14th International Conference on Security of Information and Networks (SIN) - #54109, 17-Dec-21, Edinburg, Technically-Co-Sponsored.
4. Seminar, “Breaking the Landauer Bound: From infinity to 6”, Canterbury, 11<sup>th</sup> October 2021.
5. IEEE Computer Society All Chapters Webinar, hosted by Bill Gropp (Computer Society President), Andre Oboler (Computer Society Vice President for MGA), & David Bondurant (Chair of the Geographic Activities Committee), 9:30 am EST, 9<sup>th</sup> February 2022.
6. Invited talk “IEEE Student Membership & Future Computing”, Department of Computer Science and Digital Technologies, School of Architecture, Computing and Engineering, University of East London, 16<sup>th</sup> March 2022.
7. Computer Science and Electronic Engineering Conference, University of Essex/University of Suffolk, organized by students, Technically-Co-Sponsored (tbc).
8. 14th International Conference on Next Generation Mobile Apps, Services and Technologies, Wales, 2022, Technically-Co-Sponsored (tbc).
9. CyberSA 2022, Technically-Co-Sponsored (tbc).
10. Cyber Security 2022, Technically-Co-Sponsored (tbc).

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**Public Lectures, Seminars & Keynote Speeches**

Public lectures, Seminars & Keynote Speeches have been arranged within the UK and beyond between October 2021-March 2022. 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.

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### **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.

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### **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.

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### **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. We gave a specific talk "IEEE and Future Computing" to students from the University of East London in April 2022. After the talk, we are helping them to build their first student branch.

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### **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).