

Multiple Perspectives on the Role of Early Career Researchers in Global Tertiary Education Systems: Challenges and Competitions

Dr. Henry B.L. Duh

Head of Department of Computer Science and IT
La Trobe University (LTU), Australia

Abstract: Early career researchers (ECRs) are the main backbone of higher education sector and industry R&D. With globalization and rapid change business environments, the flow of talents across regions and countries becomes inevitable and, at the same time, it increases the challenges for ECRs to plan their career paths. In a research-intensive university, ECRs are not only required to pay attention to students' learning experiences, research outputs but also industry collaboration and technology transfer. The dynamic and fragile industry settings also may not provide a stable nurturing environment either. The speaker will provide views based upon his past experiences in different countries and disciplines to create a dialogue with audiences on how to equip adequate skills and attitudes before stepping into job market.

Bio: Prof. Duh is Head of Department of Computer Science and IT at La Trobe University (LTU), Australia which administered more than 40 staff and 2,000 students, four bachelor degree and six master degree programs. He received his PhD from University of Washington and did his postdoctoral training in NASA-JSC. Before joining LTU, he was a faculty member of Nanyang Technological University, National University of Singapore and University of Tasmania and administered joint international research centres funded by Singapore and Australian governments. He holds adjunct professorships in Tsinghua University, National Taiwan University and Vellore Institute Technology India.

Prof. Duh's current research focuses on user experience and interaction design, augmented/virtual reality. He is a Fellow of the Institution of Engineering and Technology, UK, and the British Computer Society, Companion of Engineer Australia (Fellow grade); He holds several leadership roles such as Australian national representative of the IFIP Technical Committee on HCI; Co-chair of IEEE SMC Society on Technical Committee of Visual Analytics and Communication. He is the Chief Editor of Gaming Media and Social Effects Book Series (Springer), the Associate Editor of Entertainment Computing (Elsevier), editorial board member of SPRINGER HCI book series, and published more than 150 conference and journal papers in HCI, VR and AR area. He also strongly engages with industry. He is a program advisor of Microsoft Learn for Educators - Institution Program. He was a Board Director of Tourism Northern Tasmania, a member of Australian Council of Deans of Information and Communication Technology, a board member of Australia Computer Society (Tasmania Branch), NICTA University Planning Committee and Australia Research Council Industry Translational Research Hubs to investigate research issues on food prominence and mining value chain. The Department hosts CISCO-LTU AIoT and Optus-LTU Cybersecurity research centres.