

AUSTRALIAN UNIVERSITY TEACHER OF THE YEAR 2009 UNIVERSITY OF SOUTH AUSTRALIA

DISCIPLINE

Electrical & Electronic
Engineering,
Computer Engineering

RESEARCH AREAS

Engineering Education
Digital Systems
Integrated circuit design
Wireless sensor networks
Biomedical instrumentation

► [linkedin.com/in/mahfuzaziz](https://www.linkedin.com/in/mahfuzaziz)

BACKGROUND

Professor Aziz has over 31 years of experience in research, teaching, curriculum design, community engagement and leadership in the areas of Electrical, Electronic and Computer Engineering. At UniSA, he was discipline leader of Electrical & Electronic Engineering (EEE) between 2013-2015, academic director of common first year, engineering (2007-2012) and program director of computer systems engineering (1999-2007). He is internationally recognised for developing innovative and industry-relevant curricula using Project-Based Learning (PBL). He has provided leadership for systematic review of curriculum, industry feedback and professional accreditation. He has been a member of UniSA's Grants & Awards Panel since 2008, was an elected member of Academic Board 2008–2013, and Vice Chancellor's nominee on the Reconciliation Action Plan (RAP) Steering Group (2013).

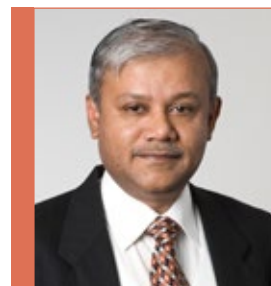
IMPACT ON LEARNING & TEACHING

Professor Aziz led teaching and learning teams at UniSA involving staff from five schools across the Division of IT, Engineering and the Environment. The faculty-wide leadership he provided led to enhanced student engagement through practice-based and career-focused approaches. His initiatives have had university-wide adoption/impact including initiatives to provide active forms of orientation, to identify and support students at risk, to continually evaluate and improve the student experience, and to introduce systematic reflective practice throughout degree programs. His leadership of the planning and management of flexible learning spaces informed the development of similar spaces university-wide.

IMPACT ON CAREER

Professor Aziz believes the application process for the Award provided him with the discipline to collect the evidence and impetus that led to, and strengthened his case for, converting his Acting Associate Professor role in 2009 to a continuing one. The added profile of the Award led to a range of invitations and leadership responsibilities. By 2015 Mahfuz was successful in applying for promotion to full Professor. Prior to the Award, he had a range of informal learning and teaching leadership roles, however he believes that the Award gave him added credibility and confidence to go for promotion. The impact on his career has meant that he now aspires to seek more strategic roles that can have long lasting impact and is prepared to look beyond the local level if opportunities are available.

PROFESSOR SYED MAHFUZUL AZIZ



CURRENT ROLE

Mahfuz Aziz is a professor of Electrical & Electronic Engineering at the University of South Australia (UniSA). He teaches courses in digital logic design, integrated circuit design, computer organisation and design. He fulfils many leadership roles and has successfully led academic teams in the development of innovative and stimulating teaching and learning approaches. He has been Acting Dean of Teaching & Learning and is member of the Academic Promotion Panel for the Division of IT, Engineering and the Environment since 2015.

WHAT THE AWARD HAS MEANT

Enhanced visibility | Invitations locally and internationally | Greater Institutional expectations | credibility

MAJOR ACHIEVEMENTS

- 2015** As Discipline Leader of EEE, successfully led the professional accreditation of EEE programs with commendations;
- 2013-2015** Led the redevelopment of UniSA's EEE curriculum implementing a new Project-Based Learning (PBL) spine of courses;
- 2010-2014** Chief Investigator and Project Leader of an ARC Grant in biomedical instrumentation;
- 2007-2012** As Director of 1st Year Engineering, implemented a program to support students at risk – leading to university-wide take up;
- 2010-2011** Led a multi-disciplined T&L Priority Project on the development of graduate capabilities, and an ePortfolio project in 1st year engineering.

NETWORKS

AAEE | EA | Institute of Electrical and Electronics Engineers (USA)