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University of Wales
Trinity Saint David
BIRMINGHAM

AI-based Cybersecurity Challenges for Education and Research Development

Vijeyanathan
Thayanathan

Professor of Digital Communication

Tuesday 11th
November 2025

LR17 / Louisa House
1:00pm to 2:00pm

**The Strategic Conversation
series explores
groundbreaking research and
innovative ideas from leading
experts and is expected to
support both staff and
students with insights into
academia, business and
emerging workplace trends.**



Professor Thayanathan currently works as an HPL in computing in UWTSD Birmingham. As Chartered Engineer (CEng), he provide the academic support to engineering and computing academic programs at UWTSD. His teaching interests are in the areas of Computer Science, Applied Mathematics (discrete and engineering), Network communication (wireless and computer), Cybersecurity (network, computer, etc.) and DSP.

Professor Thayanathan received an MSc in Telecommunication Engineering with digital signal processing (DSP) and PhD in Computer Communication Engineering from the Department of Computing and Communication Engineering, Lancaster University, UK, in 1995 and 1998. During his 3 years of PhD, the MIT (Cambridge, USA) committee accepted one of his research papers for the 50th IEEE conference. He then joined the Department of Electrical and Electronic Engineering, Glasgow/Strathclyde University, UK as Postdoctoral Research Fellow in 1998 and was involved in Telecommunication research (Funded by UK research council).

Since 2000, he was been a Research Engineer in Advantech, Southampton University Science Park, UK and a Senior DSP Algorithm Engineer in Amafax, UK. In 2019, Professor Thayanathan was appointed as a Professor in the Department of Computer Science, Faculty of Computing and Information Technology (FCIT), King Abdulaziz University (KAU), KSA.

Professor Thayanathan has been a full-time member of the Institution of Engineering Technology (IET), UK, since 2005 and was awarded "CEng (Chartered Engineering)" on behalf of the IET. Though retired, Professor Thayanathan is involved in IET activities (Consultations) and academic programs, such as publishing the latest research solutions in journals.