Prof. Fırat Güder

Imperial College London, Professor of Intelligent Interfaces Department of Bioengineering and Director of the Güder Research Group

Professor Fırat Güder leads the Güder Research Group at Imperial College London, where his work centers on the development of intelligent interfaces at the intersection of materials science, electronics, computing, biology, and chemistry. His research aims to generate transformative technologies that address global challenges across healthcare, food systems, and environmental sustainability.

Before joining Imperial, Professor Güder was a Research Fellow in the laboratory of Prof. George M. Whitesides at Harvard University. He earned his PhD in Microsystems Engineering (summa cum laude) from the University of Freiburg, Germany, and completed his BSc in Computer Engineering (First Division) at the University of New Brunswick, Canada.

He is the recipient of numerous distinctions, including:

- Fellow, Royal Society of Chemistry
- Ten Outstanding Young Persons of the World (JCI)
- President's Award for Excellence in Innovation and Entrepreneurship
- ACS Sensors "Rising Star in Sensing"
- President's Medal for Excellence in Research
- Tom West Analytical Fellowship
- German Research Foundation International Fellowship
- KU Leuven International Scholarship
- Furtwangen University MTM Scholarship
- UNB Class of 1939 Scholarship
- N. Myles Brown Scholarship
- Governor Thomas Carleton Scholarship
- UNB Alumni Achievement Award

Professor Güder is also an inventor on multiple licensed patents and the co-founder of several startups, including Unhindr Ltd, Spyras Ltd (acquired), BlakBear Ltd, and AniML Ltd. His research has been supported by leading organizations such as the Wellcome Trust, EPSRC, BBSRC, GE Healthcare, The Royal Society, Innovate UK, US Army, European Institute of Innovation & Technology, and the Gates Foundation, among others.