

Professor Kaan Erkorkmaz

University of Waterloo
Ontario, Canada

Kaan Erkorkmaz is Professor in the Department of Mechanical and Mechatronics Engineering at the University of Waterloo, which he joined in 2004 after completing his doctorate at the University of British Columbia. He is an internationally recognized expert in machine tool dynamics, feed drive and process control, multi-axis trajectory planning, precision mechatronics, and process modeling (e.g., gear cutting). His team's research has been commercialized and is regularly being tested and adopted by leading companies in the aerospace, automotive, and machine tool industries.



Erkorkmaz joined CIRP as an Associate Member in 2005 and was elected Fellow in 2014. Since 2000, he has contributed 22 publications to the CIRP Annals Vol. I and co-authored two keynote papers in the CIRP Annals Vol. II. He has been serving on the Editorial Committee of the CIRP Annals since 2018, and in 2021 was elected as the Secretary of CIRP's Scientific and Technical Committee on Machines (STC-M). Erkorkmaz has also been serving as the Technical Secretary of the Academy since 2021.

Prof. Erkorkmaz received the Society of Manufacturing Engineering (SME) Outstanding Young Manufacturing Engineer Award in 2007, the Sandford Fleming Foundation Teaching Excellence Award in 2016, the August-Wilhelm Scheer visiting Professorship at the Technical University of Munich (2019-2020), and in 2022 was conferred the honorary title 'TUM Ambassador' by the Technical University of Munich.