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From 2014 to 2019, he was a Research Assistant with the Politehnica University of Timișoara, where he later served as a University Assistant from 2019 to 2022. He was also a Research Assistant with the Romanian Academy, Timișoara Branch, from 2020 to 2023. He was a Visiting Scientist at the University of Texas at Dallas, Dallas, TX, USA, in 2017 for five months, and again in 2024 for a period of three months.

Since 2022, he has been a Senior Hardware Design Engineer with ZF Group, E-Mobility Division, and is currently an Assistant Professor in the Department of Electrical Engineering at Politehnica University of Timișoara.

Dr. Hulea's research interests include wide-ratio DC–DC converters for supercapacitor storage systems, power management strategies for microgrids, and power conversion systems for automotive applications. He has authored over 20 scientific publications and co-authored one book. His work has been recognized with several awards, including the IEEE IES Student Paper Travel Award (2015), the EPE Young Author Best Paper Award (2019), and multiple national-level distinctions.

