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Dr. Canek Fuentes-Hernandez is a Principal Research Scientist at the Georgia Institute of Technology. Born and raised in Mexico City, Mexico, he received a bachelor's degree in physics from the Universidad Nacional Autónoma de México in 1998. In 2004, he received a PhD degree from the Optical Sciences Center at the University of Arizona, USA and in 2005 he joined the School of Electrical and Computer Engineering at the Georgia Institute of Technology, USA.

His research interests lie at the intersection between electrical and computer engineering, material science and interactive computing. He has published 102 peer-reviewed journal papers that have received more than 6000 citations (h-index of 40), 61 contributed presentations at refereed conferences, 1 book chapter and 5 issued US patents.

His research has included investigations of the physical properties of organic semiconductors, and the physics and engineering of microelectronic and optoelectronic organic semiconductor devices, including: organic thin-film transistors, organic photovoltaics, organic photodetectors, high energy density capacitors and organic light-emitting diodes. They have also included multiple areas of physical optics and photonics, encapsulation, reliability and sustainability of organic devices and their applications in solid-state lighting and multiple sensing applications, including pulse oximetry, chemical sensing, sensors of ionizing radiation and optical sensing for interactive computing applications.

His current research interests are focused on human-centric solid-state lighting and on flexible and stretchable organic photodiodes to implement low power wireless multimodal sensors that enable new ways for users to interact with the living environment in areas that support global scale applications ranging from healthcare to smart agriculture and large scale sensing for urban resilience and conservation.