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Paschalis Gkoupidenis is an Associate Professor at North Carolina State University and former Independent Group Leader at the Max Planck Institute for Polymer Research. His research lies at the intersection of materials science, electronics, and neuroscience, with a focus on organic neuromorphic devices and circuits for bioelectronics, robotics, and brain-inspired computing. He pioneered the development of organic electrochemical synapses and neuromorphic circuits that enabled autonomous learning in robotics, introduced electrolyte-based neuromorphic architectures, and developed organic artificial spiking neurons capable of biorealistic communication with living tissue. His work has established the foundations of organic neuromorphic electronics, opening new directions for bioinspired computing technologies. Gkoupidenis has authored more than 70 peer-reviewed publications, and his research has been featured in *Scientific American*, *Yale Scientific*, and *Max Planck Magazine*. In 2025, he received the Seligson Innovation Award in Organic Electronics from Universal Display Corporation in recognition of his pioneering contributions to organic neuromorphic electronics.