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Organic electrochemical transistors for bioelectronics and beyond: from working principle to materials and applications

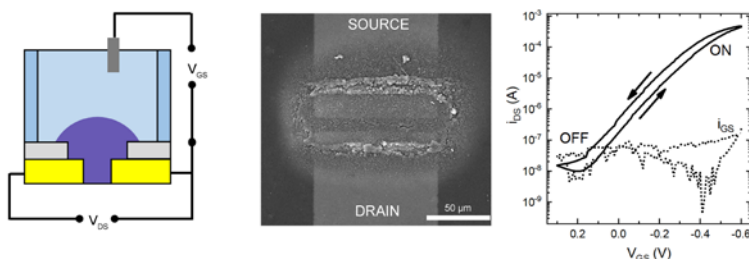
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Introduction, prof. **Javier Marti Rujas** (Politecnico di Milano, DCMIC)

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Aula MA3
Via Mancinelli 7, Milano



Over the past decade organic electrochemical transistors¹ (OECTs) have found numerous applications in bio-sensing² and neuromorphic computing³. This presentation intends to paint an overview of the working principle of polymer-based OECTs and to highlight the importance of in-situ characterization^{4a,b} of organic mixed conductors to then present a few examples^{5a-c} of material design strategies to tune material and device properties for different applications.

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