Organic transistors

Gilles Horowitz*†1

¹Laboratoire de physique des interfaces et des couches minces (LPICM) – CNRS : UMR7647, Polytechnique - X – bat. 408 Route de Saclay 91128 PALAISEAU CEDEX, France

Abstract

Organic transistors are sometimes claimed as an alternative to conventional microelectronics. However, despite tremendous progress since their first appearance, they have not known any commercial application to date. In this lecture, we will delineate what differentiates organic transistors from their inorganic counterparts. We will next focus on their most promising applications, in particular in the field of biomedical devices.

^{*}Speaker

 $^{^{\}dagger}$ Corresponding author: gilles.horowitz@polytechnique.edu