

POLITECNICO DI MILANO Piazza Leonardo da Vinci, 32 - 20133 Milano Tel. +39.02.2399.1 - http://www.polimi.it

Advanced Course on

ORGANIC ELECTRONICS Principles, devices and applications

## ORGANIC DISPLAYS and Driving Circuits

Marco Sampietro











































## Screens with Organic TFTs (II) Specifications Properties Display Size 2.5-inch diagonal Number of Pixels $160 \times RGB \times 120$ Pixel Size $318 \text{ mm} \times 318 \text{ mm}$ Resolution 80 ppi Number of Colors 16 777 216 Peak Luminance $> 200 \text{ cd } \text{m}^{-2}$ Contrast Ratio > 1000:1 **Operation Scheme** 2T–1C voltage programming Scan Voltage 30 V p-p Signal Voltage 12 V p–p 20 V $V_{cc} - V_{cath}$























