

SERVICES

Sensing Technologies Lab

Laboratory for the development of integrated solutions for the collection of monitoring data

Free University of Bozen-Bolzano
Faculty of Engineering

Head of laboratory:
Prof. Paolo Lugli | Prof. Luisa Petti

SERVICES		All prices listed are exclusive of VAT
Metallization of unstructured layer without design (with gold)	Description in attachment 1	€ 271
Metallization of unstructured layer without design (without gold)	Description in attachment 1	€ 238
Metallization of photolithographically structured layer, based on preexisting design	Description in attachment 2	€ 825
Preparation of each additional sample – metallization of photolithographically structured layer based on the same design to a max. of 2 additional (3 in total)	Description in attachment 2	€ 472
Printing of a conductive/ semiconducting/ insulating pattern by screen-printing with existing design (and mask)	Description in attachment 3	€ 45
Printing of a conductive/ semiconducting/ insulating pattern by screen-printing with new design (with preparation of new stencil mask based on required design)	Description in attachment 3	€ 687
Printing of a conductive/ semiconducting/ insulating pattern by screen printing for each additional print (max. 4 samples in total) with same design as process above	Description in attachment 3	€ 121
Printing of a conductive pattern by dispense printing with existing design	Description in attachment 5	€ 75
Printing of a conductive pattern by dispense printing with new design	Description in attachment 5	€ 296
Use of climatic chamber/1h	Description in attachment 4	€ 470
Measurements of optical transmittance - 1h	Description in attachment 6	€ 113
Measurements by atomic force microscopy - 1h	Description in attachment 7	€ 199

LAB DESK

NOI TECHPARK
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Measurements of electrical parameters at the probe station - 1h	Description in attachement 8	€ 142
Measurements of electrical parameters using network analyzer/source meter/digital multimeter/parameter analyzer - 1h	List of available equipment in attachement 9	€ 88
Measurements at the optical microscope Leica DM8000M - 1h	Description in attachement 10	€ 83
Solution preparation/ chemical process	Solution preparation process 1 h *excluding* required chemicals (to be bought separately depending on process)	€ 99
Etching of conductive, semiconductive or insulating films	Chemical etching process 1 h *excluding* required chemicals (to be bought separately depending on process)	€ 113
Printing of carbon nanotube suspension (with SDS or CNC as surfactant) by spray coating	Description in attachement 11	€ 585
Data analysis, preparation of final report, design of experiment/layout in case of non-standard project, feasibility evaluation, laboratory procedure adaptation *per hour*	To be added to prices above in case of need for project design, analysis, reports, etc.	€ 50