



Piattaforma ICT e Design

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Università di Modena e Reggio Emilia

Referente Scientifico

della Piattaforma ICT e Design

MICRO E PICCOLA IMPRESA.LAB

SECONDA CONVENTION SU RICERCA
E INNOVAZIONE

“Strumenti e servizi per avvicinare le imprese all’innovazione: le Piattaforme Tecnologiche dell’Emilia Romagna e le opportunità di sviluppo per le PMI.”

MERCOLEDÌ 9 MARZO 2011

Ore 16.00 – 20.00

Novotel Bologna Fiera - Sala Garisenda

Via Michelino, 73 | BOLOGNA



ICT e Design Platform

Labs in Technopoles

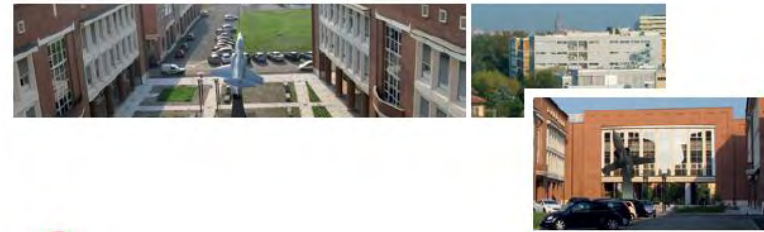
Intermech-more (Softech)

ENEA-CrossTec

LEPIDA

RFID&Vis-Labs

CIRI-ICT



TECNOPOLO
MODENA



PIATTAFORMA
ICT E DESIGN



MICRO E PICCOLA
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ICT and Design Platform

Steering Committee

- 5 Labs in Technopoles (Parma, Modena, Bolognax2, Cesena)
- 2 Inn. Center Design/ Cineteca (Bologna)
- 5 Companies
- 4 Innovation Centers (Democenter, Innovami, CNA-Innovazione, Centuria)

The mission?





ICT and Design Platform

ICT & Design:

Information and Communication Technologies

- Computer Science and Computer Engineering
- Telecom Technologies
- Electronics and Automation Controls
- Design technologies

- For

- *ICT for ICT* → when ICT IS the core business
- *ICT for X* → in strict collaboration and support with the other platforms



ICT in Emilia Romagna: YESTERDAY

ICT in Emilia Romagna

- Piano Telematico (2004-2006)
 - Piano azione 1.1
 - Piani Telematici 2007-2009... → Lepida e PA
- PRRIITT
- European Projects
- Research Projects : University-Enterprise



ICT Information and Communication Technology

Lepida spa

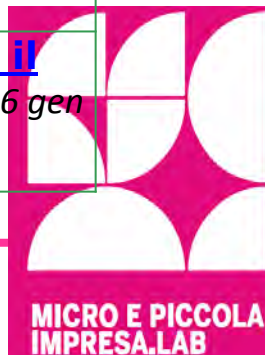
Piano Telematico ER 2011-2013

<http://www.slideshare.net/tagbolognalab/piter-le-linee-guida-20112013-tagbolab-feb-2011>

Lepida SpA agisce nell'ambito della Community Network dell'Emilia-Romagna, sia sulla dimensione tecnologica per realizzare ed ottimizzare il sistema infrastrutturale, che sullo sviluppo di servizi innovativi, in coerenza con le Linee Guida del Piano Telematico dell'Emilia-Romagna (PITER). Lepida cura l'introduzione degli enti regionali nel Sistema Pubblico di Connettività in modo omogeneo attraverso il concetto di Community Network.



	<u>Lepida: cresce FedERa, superate le cento adesioni</u> (25 feb 2011)
	<u>VoIP sempre più usato nella PA: 229 gli enti che utilizzano la rete in fibra ottica Lepida</u> (24 feb 2011)
	<u>Lepida: procede con successo la realizzazione delle reti MAN in Emilia Romagna</u> (23 feb 2011)
	<u>Lepida: per il 2011 strategia per l'Appennino. Infrastruttura unica per l'accesso a tutti i servizi digitali</u> (31 gen 2011)
	<u>PA: arriva PayER il sistema Lepida per il pagamento dei tributi su diversi canali</u> (26 gen 2011)





EU calls and opportunities: TODAY

from Bruxelles –technopoles presentation



The platform: new opportunities for new projects



FP7-ENERGY-2011-2	07-apr-11
FP7-SST-CIVITAS-2011	12-apr-11
FP7-ICT-2011-SME-DCL	28 Apr (short) 28 Sept (full)
CIP-IEE-2011	June





ICT and Design Platform: TODAY

*Data analysis, data mining,
interoperability, new sensors
networks
Knowledge management.....*



*Ict for biomedicine,
for medical imaging
genoma and data analysis, assisted living
e-hearth, tele-medicine
Sensors and devices*



*Data analysis, domotics, buidling
automation, security and
safety.....*



*Support for manufacturing,
intelligent manufacturing,
robotics and automation
Machine vision
Product and process innovation..*



*GREEN ICT, energy harvesting,
data analysis, sensors ,
communication networks*





ICT & Design Platform: the Matrix

ICT Technologies

Computer vision and pattern recognition

Multimedia

Modeling and Design

Bioinformatics

Algorithms. Data and signal processing

Decision Support Systems and optimization methods

Information systems and Database

Knowledge management and Semantic-based systems

Security and privacy

User interaction

Future Internet

Software engineering and software architectures

Interoperability, Protocols and Standard

Software
Systems and
Apps





Examples in SOFTECH-INTERMECH-MORE



ICT Technologies for Enterprises

English
Italiano

HOME RESEARCH MEMBERS ICT & DESIGN PROJECTS PARTNERS CONTACT US



TECNOPOLI - RETE ALTA TECNOLOGIA
EMILIA-ROMAGNA
HIGH TECHNOLOGY NETWORK

PIATTAFORMA
ICT E DESIGN

RESEARCH TOPICS

SOFTECH deals with ICT for businesses using the skills of teachers and researchers in the Dipartimento di Ingegneria dell'Informazione in computer science, electronics, automation and telecommunications. Here you can see details on research activities at DII.

Here you can see details on research activities at International Doctorate School in Information and Communication Technologies

Among these activities, some are part as UO of the activities financed by the Emilia Romagna region in the Technopole of Modena Centre Intermech-MO.RE. with, in particular, four research themes:

- ▶ ICT applications of Computer Vision
- ▶ Networks of brokers for optimization in logistics
- ▶ Open-source ERP systems for small enterprises
- ▶ Video surveillance and sensor networks for security

Useful Links:





Examples in SOFTECH- TODAY

PRRITT Projects

Rerum Novarum

by

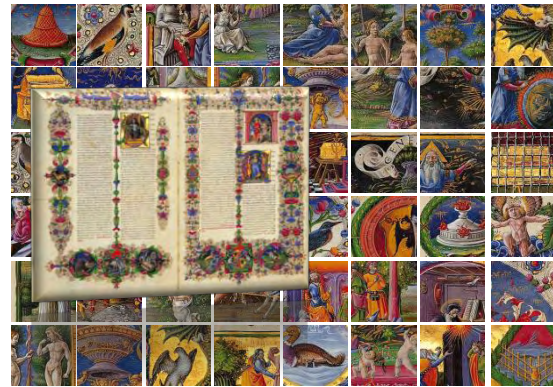
Franco Cosimo Panini srl

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[.wmv](#)



EU Projects

KASSETTS

KASSETTS – Knowledge-enables Access of Central Europe SMEs to efficient transnational transport solutions Call: INTERREG call 1 – 2008/2011

THIS

THIS Transport hub video intelligent system
Cips projects dg JLS 2009-2001

Sicurezza nei cantieri

by

Bridge129 srl

[Cantierio](#)

[utput1.av](#)

[i](#)



Dai distretti produttivi ai distretti tecnologici»

E-Fashion: Softech- Liu-Jo

eSSe: Softech - ACANTHO,
GRUPPO PRO, ICOS,
SMC HOLDING



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ICT & Design Platform : Pillars TOMORROW

- *Green ICT*
- *Intelligent Manufacturing*
- *E-Health*

← Green Economy

← Innovation in Manufacturing

← Health Science

- *Mobile and ubiquitous ICT (internet of things)*
- *Future Internet*
- *Ict for Security*
- *Vision, Sensing and Multimedia*
- *Interoperability, standard and knowledge management*
- *Secure ICT*

← The pervasivity
of ICT



ICT and Design Platform: TODAY and TOMORROW

International research activities in Platform Labs

Direct technology transfer to Enterprise

- Research contracts
- Teaching activities (Master , Phds, Thematic courses)
- Regional & Eu projects

Dynamic and flexible research-to-business interface

- University-[TT Centers]-SME

A New Platform for High Technology Network in Emilia Romagna

The future lives here (already)!





Contacts

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