

# Computer Science Institutes

ERCIM Italian Partners

Norma Lijtmaer

Institute for Information Processing ▶

The CNUCE Institute ▶

Institute for Telematic Applications ▶

Institute of Computational Mathematics ▶

Institute of Computational Linguistics ▶

## Functionality

- Research
- Teaching and Training
- Technology Transfer
- International Cooperation
- European and International Projects
- National Projects and Technology Transfer
- Advanced Infrastructure

## Research

### Institute for Information Processing

- Software Engineering
- Computer System Design
- Information Engineering
- Signal and Image Processing
- Visual Computing

IEI

<http://www.iei.pi.cnr.it>

Pisa Research Area

## The CNUCE Institute

- Design and Analysis of Computing Systems
- Multimedia & Networking
- Information Systems
- Space and Structural Mechanics
- Advanced Scientific Computing

CNUCE

<http://www.cnuce.cnr.it>

Pisa Research Area

## Institute for Telematic Applications

- Planning and Testing of telematic applications for research support
- Study, planning and testing of local and regional networks
- Networks security and reliability

IAT

<http://www.iat.cnr.it>

Pisa Research Area

## Institute of Computational Mathematics

- Computational Complexity and Interdisciplinary Applications
- Foundations of Parallel and Distributed Computing
- Numerical Integration and Linear Algebra

IMC

<http://www.imc.pi.cnr.it>

## Institute of Computational Linguistics

- Reusable Linguistic Resources and Standards
- Computational Philology and Text Processing Humanities
- Knowledge Representation and Natural Language Processing
- Models and Tools for Man-Machine Interaction

ILC

<http://www.ilc.pi.cnr.it>

Pisa Research Area

# European and International Projects

## CNR - GMD

CNUCE / IEI

### Cultural Heritage:

- Automatic Acquisition and Real-Time Visualization of Cultural Heritage in 3D.
- Parallel Structural Analysis of Historical Buildings.

### Multimedia:

- The CNR-GMD Virtual Library Project.
- IMPROVE - Integrated Media Production Environment.

### Technology:

- DECOR - Dependable Co-operative Real-Time Systems.
- AMC - ATM-based Wireless Mobile Computing.

## European and International Projects

### CNR - DIMATIA

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IMC

- Discrete Mathematics and Theoretical Computer Science Consortium.

### CNR - UNITED NATIONS

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ILC

- UNL Universal Networking Language.

### CNR - ESI

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CCS

- Qualification Scheme for Software Assessors.

## European and International Projects

### European Commission

CNUCE / IEI

- **AQUARELLE** Sharing cultural heritage through multimedia telematics.
- **ECHO** European Chronicles On-Line.
- **DEDUGIS** Deductive constraint databases for intelligent geographical information systems.
- **DELOS** A Network of Excellence on Digital Libraries.
- **EUROGATHERER** A Personalised Information Gathering System.
- **GUARDS** Generic Upgradable Architectures for Real-time Dependable Systems.
- **GUITARE** Generating User Interfaces from Task models in co-operative Environments.
- **INDUCE** Advanced Integrated NDT Concepts for Unified Life-Cycle.
- **LEONARDO DA VINCI** Software Quality Evaluator.

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## European and International Projects

### European Commission

CNUCE / IEI

- **MEFISTO** Modeling Evaluating and Formalizing Interactive Systems using Tasks and interaction Objects.
- **MOSAIC-HS** Modular System for Application Integration and Clustering in Home System.
- **PASTEL** Persistent Application Systems Technologies Environments and Languages.
- **SCHOLNET** A Digital Library for a Virtual Scientific Community.
- **TACIT** Theory and Application of Continuous Interaction Techniques.

ILC

- **PAROLE / SIMPLE** Syntactic and Semantic Corpora and Lexica for all EU Languages.
- **ENABLER / ELSNET** Coordination Group of National European Governmental Project - European Network of Excellence for Natural Language and Speech.

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## European and International Projects

### International

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IEI / CNUCE

- **JPL-NASA / CNUCE** Mission control for the SRTM - Shuttle Radar Topography Mission.
- **SEI - CMU / CCS** Risk Assessment based on Software Architectural Analysis.

### UE - NSF

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ILC

- **EAGLES / ISLE** Expert Advisory Group on (Human) Language Engineering Standards.

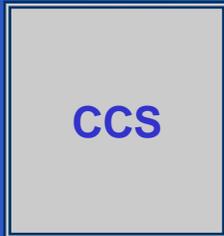
# Advanced Infrastructure



## Italian Registration Authority

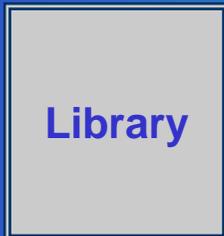
Responsible for the assignment of domain names, the management of the registry and the primary DNS for .it

<http://www.nic.it>



## Laboratory for Software Process and Product Certification

<http://www.iei.pi.cnr.it/CCS>



## Computer Science Library

8.000 books, 600 serial collections.

ERCIM Technical Reference Digital Library.

On-Line Catalogues are available accessing URL:

<http://www.iei.pi.cnr.it/Library/library.html>

# National Research Council

Pisa Research Area

