

ISTI – Istituto Scienza e Tenologie dell'Informazione e Cultural Heritage

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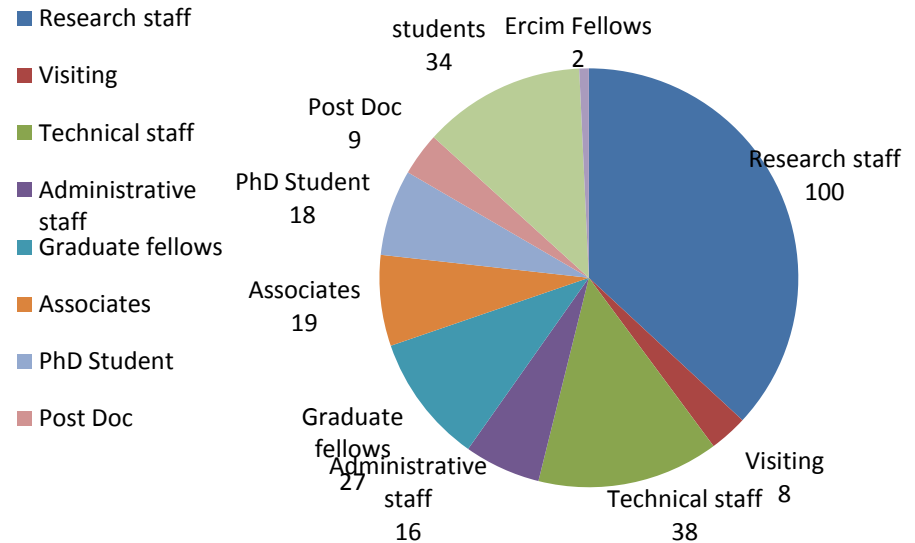
ISTI



Direttore: Claudio Montani

5 Aree tematiche:

- Networking
- Software
- Knowledge
- Visual & HP Computing
- Flight & Structural Mechanics



ISTI per Cultural Heritage

Sigla	Laboratorio	staff	Head
VCL	Visual Computing	20	R. Scopigno
NeMIS	Networking Multimedia Information System	33	F. Rabitti
SI	Signals and Images	19	O.Salvetti
MMS	Mechanics of Materials and Structures	5	C. Padovani



Visual Computing

3D Scanning



Og

Strumenti
per la fruiz

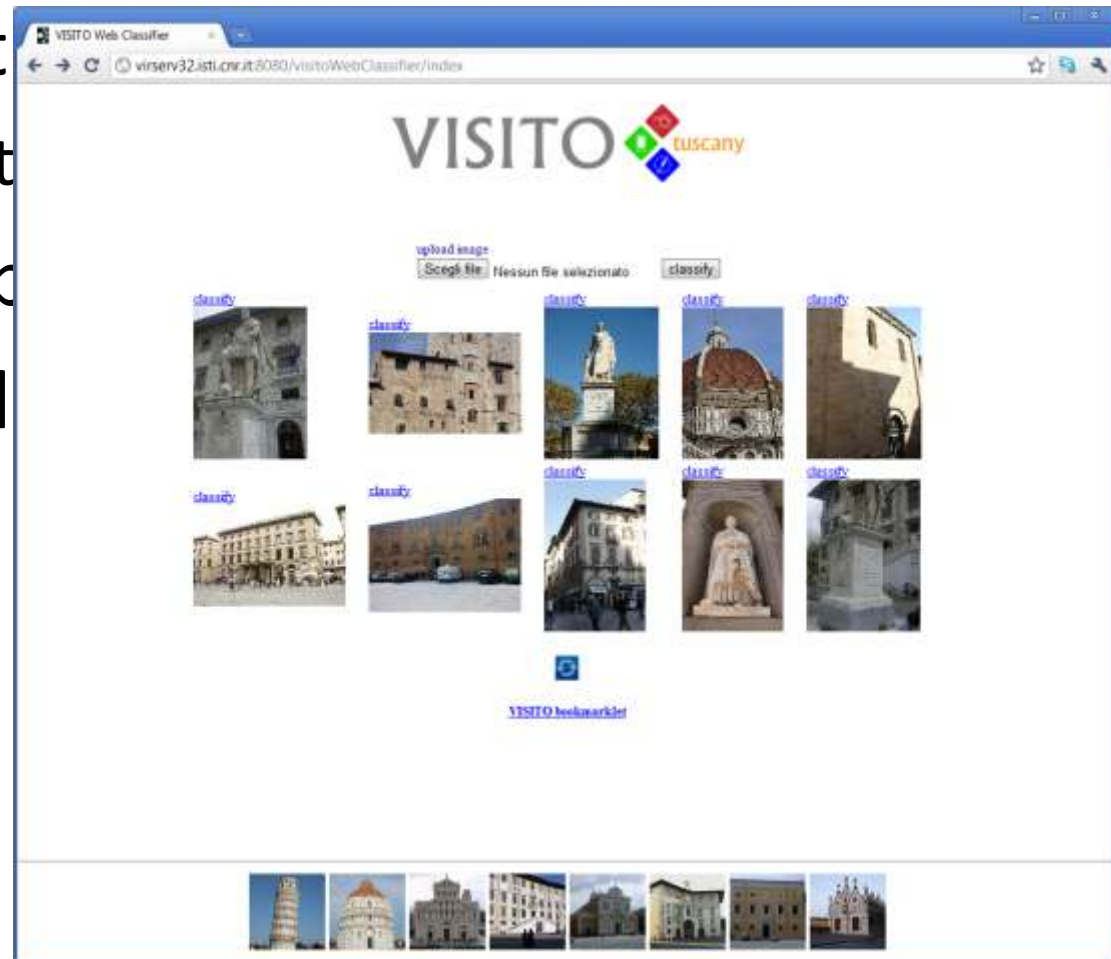
Strumenti d
Restauro e M



05/05/2011

NeMIS

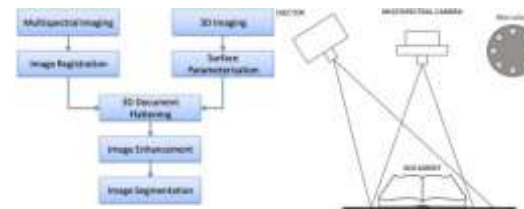
- Informat
- Automat
- Digital lib
- Motori d





Signal Processing

- Statistical Signal Processing
- Image Processing
- Un'applicazione: Restauro virtuale di manoscritti e documenti antichi



Mechanics of Materials and Structures

Modelli matematici, metodi numerici, codici FEM per:

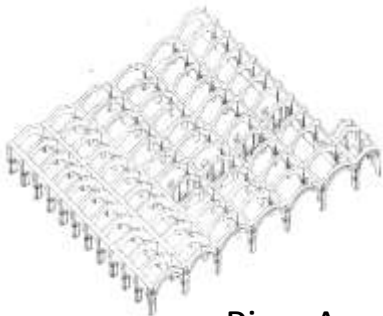
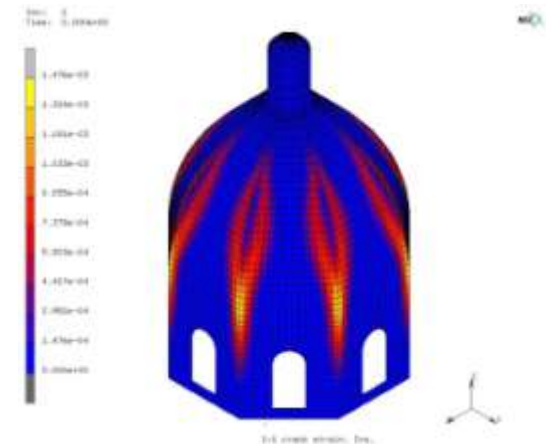
- Analisi statiche e dinamiche
- Modellazione di interventi di restauro e consolidamento sul costruito storico



Lucca, Chiesa di S. Ponziano



Morano Calabro, Chiesa di S. M. Maddalena



Pisa, Arsenale Mediceo



Progetti

Progetti Europei

EU FP7 IST IP “**3DCOFORM**: Tools and Expertise for 3D Collection Formation”, grant no. 231809, 2008-2012. (ISTI budget 624KE)

<http://www.3d-coform.eu/>

EC 7thFW NoE “**V-Must.Net**: Virtual Museum Transnational Network”, no. 270404, 2011-2015. (ISTI budget 200KE), <http://www.v-must.net/>

EU FP7 IST STREP “**V-CITY**: The Virtual City”, 2008-2011. (ISTI budget 254KE) <http://vcity.c-s.fr/>

EU FP7 Security “**INDIGO** – Innovative Training and Decision Support for Emergency Operations”, grant no. 242341 (2010-2013), ISTI Budget 296 KE, <http://indigo.diginext.fr/>

EU IST “**MultiMATCH**: Multilingual/ Multimedia Access to Cultural Heritage” (2006-2009), <http://www.multimatch.org/>

EU IST “**CASPAR**: Cultural, Artistic and Scientific knowledge for Preservation, Access and Retrieval”, (2006-2010),

<http://www.casparpreserves.eu/>

EU IST IP “**BRICKS**: Building Resources for Integrated Cultural Knowledge Services”, <http://www.brickscommunity.org/>

EU IST “**DRIVER II**: Digital Repository Infrastructure Vision for European Research”, <http://www.driver-repository.eu/>

EU IST NoE “**DELOS**: The Network of Excellence on Digital Libraries”, <http://www.delos.info/>

EU IST “**SAPIR**: Search on Audio-visual content using Peer-to-peer Information Retrieval”, <http://www.sapir.eu/>

EU IST “**FIRESENSE**: *Fire Detection and Management through a Multi-Sensor Network for the Protection of Cultural Heritage Areas from the Risk of Fire and Extreme Weather Conditions*”, (2009-2012), <http://www.firesense.eu.>

Progetti Regionali

POR REgione Toscana “**ArteSalva**”, 2010-2013, budget ISTI/VClab 150KE

Progetto “Strumenti informatici per la modellazione e la verifica del comportamento strutturale di costruzioni antiche: il codice **NOSA-ITACA**”, PAR FAS 2007-2013, Regione Toscana, 628.000 Euro, di cui 419.400 all’ISTI

Progetto “**VISITO Tuscany**”, POR-CREO-FESR 2007-2013, Regione Toscana, 2.549.611, di cui 1.251.068,00 all’ISTI

Progetto CENOBIUM, startup finanziato da Kunsthistorische Institut del Max Plank (Firenze), 2006-2010 <http://cenobium.isti.cnr.it/>

Progetto Regione Toscana “**START** – Developing technologies for cultural heritage applications”, 2008-2010. (ISTI budget 320KE)

Progetto “**AMMIRA**: Multispectral acquisition, enhancement, indexing and retrieval of artworks”, POR Calabria 2007-2013,

<http://www.ammira.eu/>

Progetto “**Seismic Analysis of Masonry Towers**”, finanziato da Cassa di Risparmio di Lucca Foundation (2009-2010).