



**Pavia Big Data Day – July 1st, 2014 – IMATI-CNR conference room**

**REQUIRED REGISTRATION LINK**

<http://bigdataday-unipv.eventbrite.it>

**PROGRAMME**

**Morning (10:30 – 13:00)**

- **Introducing Big Data**
  - Riccardo Bellazzi, *Biomedical Informatics Laboratory “Mario Stefanelli”*
  - Paolo Gamba, *Telecommunications and Remote Sensing Lab*
- **Big Data in Physics and Math**
  - Donatella Lucchesi, *INFN Padova section*  
Big Data with INFN
  - Stefano Gualandi, *Dept. of Mathematics “Felice Casorati”*  
Public transport and Big Data analytics
- **Big Data in Social Sciences, Services and ICT**
  - Maria Grazia Albanesi, *Digital Content Analysis Lab*  
Computational sustainability and Big Data: challenges and future trends.
  - Gianmario Motta, *Services Engineering Lab, Service Engineering PV-HIT Joint Lab*  
IRMA project and its potential future
  - Paolo Giudici, *Dept. of Economics and Management*  
Big Data analysis in economics and finance
  - Riccardo Puglisi, *Dept. of Political and Social Sciences*  
Theory-driven analysis of Big Data in social sciences

**Afternoon (14:00 – 17:30)**

- **Big Data in Enterprises**
  - Marco Monti, *IBM*  
Big Data for smarter healthcare

- Stefano Conconi – Francesco Civardi, *Vesenda – DaisyLabs*  
Big Data information visualization
- Big data and the University of Pavia Spin-off: Besharp and Biomeris.
- **Big Data in Life Sciences**
  - Riccardo Bellazzi, *Biomedical Informatics Laboratory “Mario Stefanelli”*  
Big Data methods and technologies in biomedical informatics
  - Mario Grassi, *Unità di Statistica Medica e Genomica*  
Biological pathway-based analysis using structural equation models in genome-wide association studies
  - Paolo Cremaschi, *CNR – Istituto di Genetica Molecolare*  
From NGS data to the identification of the cell regulation: a common framework for the analysis of the multi-layer control of gene function
- **Big Data in Geospatial and Remote Sensing**
  - Andrea Marinoni, *Telecommunications and Remote Sensing Lab*  
Detection of local affinity patterns in Big Data: applications to remote sensing
  - Fabio Dell’Acqua, *Ticinum Aerospace srl*  
Big – Space – Data
  - Vittorio Casella, *Geomatics Lab*  
Big Data in geographic information and geomatics
- **Closing remarks**
  - Riccardo Bellazzi , *Biomedical Informatics Laboratory “Mario Stefanelli”*
  - Paolo Gamba, *Telecommunications and Remote Sensing Lab*