# Distributed Computing Architectures And Environmental Science Applications

# Report of Contributions

Contribution ID: **2** Type: **not specified**

# Lecture, Semantic Data

*Tuesday, 7 June 2016 09:00 (1h 30m)*

**Presenter:** HERNANDEZ, Nathalie

Contribution ID: **3** Type: **not specified**

# Lecture, Semantic Data

*Tuesday, 7 June 2016 11:00 (1h 30m)*

**Presenter:** TROJAHN, Cassia

Contribution ID: **4**                                                              Type: **not specified**

# Lecture, Multivariate analysis - R examples

*Tuesday, 7 June 2016 14:00 (1h 30m)*

**Presenters:**   JOURDAN, Astrid;  LAFFLY, Dominique

Contribution ID: **5**            Type: **not specified**

# Lecture, Sensitivity and risk analysis of computer model –R examples

*Tuesday, 7 June 2016 16:00 (1h 30m)*

**Presenter:** JOURDAN, Astrid

Contribution ID: **6**                                                Type: **not specified**

# Stream in Scala and application on Hupi cloud

*Wednesday, 8 June 2016 09:00 (1h 30m)*

**Presenter:**   DEVIN, Florent

Contribution ID: **7** Type: **not specified**

# Stream in Scala and application on Hupi cloud

*Wednesday, 8 June 2016 11:00 (1 hour)*

**Presenter:** DEVIN, Florent

Contribution ID: **8**                                          Type: **not specified**

# Demonstration of spark streaming

*Wednesday, 8 June 2016 12:00 (30 minutes)*

**Presenter:**   YANNICK, Le Nir

Contribution ID: **9**                                    Type: **not specified**

# Exploration of cloud capabilities for remote sensing processing

*Wednesday, 8 June 2016 14:00 (1h 30m)*

**Presenter:**   BUI, Kien

Contribution ID: **10**                                        Type: **not specified**

# Coffe Break

Contribution ID: **11**                                Type: **not specified**

# Open Discussion

*Wednesday, 8 June 2016 16:00 (1 hour)*

Contribution ID: **12** Type: **not specified**

# Steering Commitee

*Wednesday, 8 June 2016 17:00 (1 hour)*

Contribution ID: **13**　　　　　　　　　　　　　　　　　Type: **not specified**

# Excursion 1 - Venice Arsenal (MOSE project) and city center

*Thursday, 9 June 2016 08:00 (12 hours)*

Contribution ID: **14**                                                        Type: **not specified**

# Excursion 2 - Porto Garibaldi, Comacchio and Comacchio valleys

*Friday, 10 June 2016 08:00 (12 hours)*

Contribution ID: **15**                                                Type: **not specified**

# Overview of High Performance Computing

*Monday, 6 June 2016 09:30 (30 minutes)*

**Presenter:** SCHIFANO, Sebastiano Fabio (FE)

Contribution ID: 16                                             Type: **not specified**

# Overview of Distributed Computing Architectures

*Monday, 6 June 2016 10:00 (30 minutes)*

**Presenter:**   TOMASSETTI, Luca (FE)

Contribution ID: **17**                                         Type: **not specified**

# Application of modeling tool to assess impacts of emission reduction measures on air quality, health, crop and climate forcing in SEA

*Monday, 6 June 2016 14:30 (10 minutes)*

**Presenters:** PERMADI, Didin Agustian;  NGUYEN, Thi KIm Oanh

Contribution ID: **18**                                                  Type: **not specified**

# Development of a Spatial Decision Support System (SDSS) for Flood Risk Management: Case study in Vu Gia Thu Bon River Basin, Quang Nam province, Vietnam

*Monday, 6 June 2016 14:40 (10 minutes)*

**Presenter:**   LE, Quoc Tuan

Contribution ID: **19**
Type: **not specified**

# Ergodic approach in Geography

*Monday, 6 June 2016 14:50 (10 minutes)*

**Presenter:** LAFFLY, Dominique

Contribution ID: **20**                                                                 Type: **not specified**

# Remote sensing and modeling techniques to estimate water productivity

*Monday, 6 June 2016 15:00 (10 minutes)*

**Presenter:**   VAN GRIENSVEN, Ann

Contribution ID: **21**                                                          Type: **not specified**

# Developing WebGIS for Climate change vulnerability analysis

*Monday, 6 June 2016 15:10 (10 minutes)*

**Presenter:**   QUANG HUY, Man

Contribution ID: **22**                                           Type: **not specified**

# Emission inventory (EI): Air pollutions and greenhouse gases

*Monday, 6 June 2016 15:20 (10 minutes)*

**Presenters:**   CHITAPORNPAN, Sukhuma;  KANABKAEW, Thongchai

Contribution ID: **23**                                        Type: **not specified**

# Numerical Modelling of Coastal Inundation

*Monday, 6 June 2016 15:30 (10 minutes)*

The talk will provide an overview of the state-of-the-arts numerical models for coastal inundation under storm surges. Examples from Europe will be discussed considering the computational demands of the systems and the potential application of parallel computing in a cloud environment.

**Presenter:**   CIAVOLA, Paolo (Dipartimento di Fisica e Scienze della Terra)

Contribution ID: **24** Type: **not specified**

# Knowledge representation for Data Sciences

**Presenter:** HERNANDEZ, Nathalie

Contribution ID: 26                                                     Type: **not specified**

# Welcome of Director of Physics and Earth Science Department

*Monday, 6 June 2016 09:10 (10 minutes)*

**Presenter:**    CALABRESE, Roberto (University of Ferrara)

Contribution ID: **27** Type: **not specified**

# Opening

*Monday, 6 June 2016 09:20 (10 minutes)*

**Presenter:** LUPPI, Eleonora (FE)

Contribution ID: **28** Type: **not specified**

# Big Data and Smart Cities Applications

*Monday, 6 June 2016 11:00 (30 minutes)*

**Presenter:** VISTOLI, Maria Cristina (CNAF)

Contribution ID: **29**                              Type: **not specified**

# INDIGO-DataCloud: Handling Compute and Data Intensive Scientific Applications in Cloud Infrastructures

*Monday, 6 June 2016 11:30 (30 minutes)*

**Presenter:**   SALOMONI, Davide (CNAF)

Contribution ID: **30**                                                         Type: **not specified**

# Energy Issues in Modern Processors

*Monday, 6 June 2016 12:00 (30 minutes)*

**Presenter:**  CALORE, Enrico

Contribution ID: **31** Type: **not specified**

# HUPI Platform Architecture Design, Spark Introduction and Community, Capabilities

*Monday, 6 June 2016 14:00 (30 minutes)*

**Presenter:** MORENO, Vincent (HUPI)

Contribution ID: **32**　　　　　　　　　　　　　　　　Type: **not specified**

# Enabling Technologies for Exploitation of Earth Observation Products in the Big Data Era

*Monday, 6 June 2016 16:30 (1 hour)*

**Presenter:**　MANTOVANI, Simone