FP7-REGPOT-2012-2013-1

Grant Agreement: 316087

AComIn:
Advanced Computing for Innovation

FP7 Capacity Programme
Research Potential of Convergence Regions

EVENT ORGANISATION REPORT

Author: Svetozar Margenov, Scientific Computing Department, IICT-BAS

Summary: Report for the organisation of "**Seminar on Industrial Mathematics**",
19 December 2013, Sofia, Bulgaria

Status: Final report

Distribution: Public

Issue Date: January 2014

Start date of the project: 01/10/2012   **Duration: 42 months**

Report about an AComIn Organised/Supported Event

Name and type of the event:

Seminar on Industrial Mathematics

Place, dates:

Sofia, 19 December 2013

Programming and Organisation committees:

Organizer: Prof. Svetozar Margenov, IICT, BAS

Contact person: Dr. Ivan Georgiev, IICT, BAS

Participants /number, types/ :

From IICT: 8

Bulgarian participants outside IICT: 25 (18 of them from industrial entities (mostly representing SMEs), and 7 of - from universities and academic institutes

Foreign invited participant: 1

Short description:

The event was organised in collaboration with Fraunhofer ITWM, Kaiserslautern, Germany (partner in the AComIn project). The cooperation with Bulgarian Branch Chamber of Machine Building (http://www.castingarea.com/societies/bbcmb.htm) and the Cluster of Mechatronics and Automation (http://www.cluster-mechatronics.eu/) is highly appreciated.

The first part of the seminar was devoted to presentation of the SmartLab equipment recently purchased in the framework of the AComIn project. After that the program continued with a plenary lecture given by Prof. Oleg Iliev from Fraunhofer ITWM, followed by a presentations of particular industrial applications developed in the IICT. The workshop was closed with a panel discussion about problems and perspectives in industrial mathematics. A key topic was related to practical questions/experience about real life collaboration between academic researchers and industrial companies.

Scientific Programme:

Plenary Lecture:

- Oleg Iliev, Fraunhofer ITWM, Kaiserslautern: *Mathematics as technology: good practices in various industrial applications*

Short Communcations:

- Nikola Kosturski, IICT, BAS, Computer simulation of Radio Frequency Ablation

- Yavor Vutov, IICT, BAS, Supercomputer simulation of the cooling process in a porous inert media gas burner

- Ivan Georgiev, IICT, BAS, Computer simulation of Wood Polymer Composite, matherials

Scientific Programme of the AComIn-related activities:

All activities are related to the AcomIn project.

AComIn-related papers presented at the event and published after peer review: N/A

Assessment of the added-value of the event to the AComIn dissemination objectives:

The aim of the event was to demonstrate the potential of the available SmartLab equipment and to confirm our intention for cooperation and know-how transfer with industrial partners. One important measurable indicator for the success of the event is the number of the established new partnerships.

Changes in the financial planning of the AComIn support spending (if any): N/A

Reason for the changes during the actual event implementation: N/A

Event organiser:

9 January 2014

Svetozar Margenov