



**Technology Transfer Seminar on  
Advanced Computing for Innovation  
Industrial Applications**



Organized by Institute of Information and Communication Technologies  
Bulgarian Academy of Sciences

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**May 14-15, 2015, Bankya Palace Hotel, Bankya, Bulgaria**

## **SCIENTIFIC PROGRAMME**

### **14 May 2014**

1. Mapping of acoustic noise and microwave radiation - **Volodymyr Kudriashov**
2. Acoustic fields reconstruction - **Yuriy Chyrka**
3. Research of moving and interaction between spheroidal tetrahedrons in ball mills - **Nikolay Stoymenov**
4. High speed briquetting of metal waste using rocket engine - **Stanislav Gyoshev**
5. Inspection and observation using infrared thermal camera by service mobile robots - **Denis Chikurtev**

### **15 May 2014**

1. Determination of particle size distribution and analysis of a natural food supplement with prophylactic action - **Yancho Todorov**
2. Determination of particle size distribution and analysis of a healthy functional food - **Margarita Terzyiska**
3. Industrial transport optimization through multigraphs - **Stanislav Drangajov**
4. Inference control system for the flame position in the combustion chamber of power plant system - **Stefan Koynov**
5. Robust stability analysis of perturbed single area power system model - **Svetoslav Savov**

The seminar is organized as associated event to the 23<sup>th</sup> International Symposium on Control of Power Plants, Industrial and Ecological Systems.