

INTERNATIONAL CONFERENCE  
10 years IGRS  
8<sup>th</sup> Dresden Symposium

**HAZARDS – DETECTION AND MANAGEMENT**

August 31 – September 04, 2015 in Dresden, Germany

**PRELIMINARY PROGRAMME**

**Monday August 31, 2015 (Dresden City Museum)**

**Registration**

- 09:30 – 11:00 Registration at the conference desk, Foyer  
11:00 – 11.30 Opening Ceremony  
Short welcome speech by the governing mayor (N.N.)

**Opening Session “Safety and Security Challenges 1”**

(Chairman: )

11:30 – 12:00 **Streil Thomas:** Results of some European projects respectively current research/technology state of CBRN technologies

12:00 – 12:45 **Friedemann Freund:** GeoCosmo’s Global Earthquake Forecast System - No More Surprises

12:45 – 13.15 *Coffee Break*

**Second Afternoon Session “Safety and Security Challenges 2”**

(Chairman: )

13:15 – 13:45 **Faber Eckhard:**

13:45 – 14:15 **Caprai Antonio:**

14:15 – 14:45 **Klein Peter:** How to assess and compare the total effects of different security measures in Critical Infrastructures

14:45 – 15:15 **Miroslaw Janik:** Application of Machine Learning methods to imputation of missing data

15:15 – 15:45 **Sabol Jozef:** The fight against the potential threat cbrn threat: lessons learned for controlling r/n components of cbrn

15:45 – 16:15 **Oeser Veikko:** Mobile unit for characterization of contaminated sites

***Following Icebreaker Party***

## **Tuesday, September 01, 2015 (Dresden City Museum)**

### **First Morning Session “Sensors and Data Analysis”**

(Chairman: Prof. F.T. Nezhmetdinova, Russia)

- 10:30 – 11:00 **Voigt Sven:** ASTROSE Sensor Network for high voltage power line monitoring: damage prevention from overheating and ice loads
- 11:00 – 11:30 **Steinhäusler Friedrich:** Sensor-equipped Unmanned Aerial Vehicle System in Crisis Management and Virtual Reality Training.
- 11:30 – 12:00 **Jöster Michael:** HPM detector system with frequency identification
- 12:00 – 13:15 *Lunch Break*

### **First Afternoon Session “Nuclear Security”**

(Chairman: Prof. A.B. Simakov, Russia)

- 13:15 – 13:45 **Riekstina Diana:** Results of the radionuclide monitoring in the vicinity of Salaspils Nuclear Reactor (1997- 2015)
- 14:15 – 14:45 **Simakov Andre:** Air ion method for detecting Alpha- Radioactive surface contamination of nuclear industry Personnel
- 14:45 – 15:15 **Osterloh Kurt:** Radiation hazards disclose many details of their identity how to gain access
- 15:15 – 15:45 *Coffee Break*

### **Second Afternoon Session**

(Chairman: )

- 15:45 – 16:15 **Anna Nalbadyan:** Food safety: monitoring of radioactivity in natural food products from Northern Norway and Finland in 2013-2014
- 16:15 – 16:45 **Kaur Preet:** Advanved Heavy Water Reactor: An answer to Mitigate the adverse Impact of Gorakhpur Nuclaeer Power Plant on the Area.
- 16:45 – 17:15 **Stojanovska Zdenka:** Spatial distribution of radionuclides in soil around the two termal power plants in republic of Macedonia
- 17:15 – 18:00 **Ekong Goodwin:** Determination of radionuclides surface concentration and radiation level in Fukushima prefecture, Japan.

## **Wednesday, September 02, 2015 (Dresden City Museum)**

### **First Morning Session “Detection Technologies”**

(Chairman: Prof. W.J. Fischer, Germany)

- 10:30 – 11:00 **Sharma Anil:** Comparative Study of radon exhalation rate in fly ash samples from Kasimpur Thermal Power Plant, Aligarh, Uttar Pradesh, India
- 11:00 – 11:30 **Mehrnia Reza:** NEPAL- SIS nonlinear Analysis for earthquake postdiction in Katmandu Region
- 11:30 – 12:00 **Saito Yoshiharu:** Earthquake prediction method and equipment by tree bio-electric potential and dual frequency observation of EM direct emission wave from epicenter
- 12:30 – 13:30 **Ogena Manuel:** Detection of Geohazards and Landslide- Risk areas using drone Aerial Surveys
- 13:30 – 14:45 *Lunch Break*

### **Afternoon Session “Radon and Thoron 1”**

(Chairman: )

- 14:45 – 15:15 **Botong Papp:** Radon Mapping and Radon Mitigation in Bihor country (Romania)
- 15:15 – 15:45 **Quindos Luis:** Laboratory Simulation of Aquifers by using Radon in water As A Tracer
- 15:45 – 16:15 **Quifan Wu:** Radon concentrations in schools in southern Yunnan Province
- 16:15 – 16:45 *Coffee Break*

### **Afternoon Session “Radon and Thoron 2”**

(Chairman: ID Kruger, South Africa)

- 16:45 – 17:15 **Saidou Saidou :** Natural radiation survey in the uranium- and thorium- bearing regions of Cameroon
- 17:15 – 17:45 **Simakov Andre:** Microwave Biodosimetry as a new method for research of the microwave radiation influence on the human psychophysiological parameters

## **Thursday, September 03, 2015 (Dresden City Museum)**

### **Excursion**

10: 00 – 17:00 *Bus excursion to Technical University Dresden and the Fortress Königstein*

### **Conference Dinner**

18:00 – 23.00 **Conference Dinner**  
**SARAD GmbH, Wiesbadener Str. 10, 01159 Dresden**

## **Friday, September 04, 2015 (Dresden City Museum)**

### **First Morning Session “Crisis Management”**

(Chairman: R. Serenio, USA)

- 09.00 – 09.30 **Chaudhiri Hirok:** Nonlinearity in earthquake Precursory Signals  
09.30 – 10.00 **Demidov Andre:** Spectra Kazan- Peculiarities of radon monitoring in Kazan  
10.00 – 10.30 **Darwich Antonio:**  
10.30 – 11.00 *Coffee Break*

### **Second Morning Session “Future Research Needs”**

(Chairman: Prof. F. Steinhäusler, Austria)

- 11:00 – 11:30 **Kankara Seal:** Noble Gas Helium- A Tool for Earthquake Precursor  
11.30 – 12.00 **Simakov Andre:** The influence of Ambient Air Characteristics on effectiveness of the remote detection of the dot Alpha- Radioactive contamination  
12.00 – 12.30 **Sharma Anil:** Measurement of radon exhalation rate, natural radioactivity and radiation hazard assessment in soil samples from the surrounding area of Kasimpur Thermal Power plant Kasimpur (U.P.), India.  
12.30 – 13.00 **Freund Friedemann :** Closing Remarks  
13.05 – 14.00 *Lunch Break*

**End of the conference**