



## Programme

# 100 years

### 52<sup>nd</sup> Photogrammetric Week

### Monday, September 7, 2009

- from 7:30 Registration of participants
- 9:00 **Opening of the 52<sup>nd</sup> Photogrammetric Week**  
**Music, Welcome Addresses**
- 9:45 **Frank Leymann, Universitaet Stuttgart**  
Cloud Computing: The Next Revolution in IT
- 10:30 Break
- Brief lectures by the OpenPhowo Partners**
- 11:15 **Jürgen Dold, Leica Geosystems, Heerbrugg**  
From Earth to Image Distribution, Leica and ERDAS Advances in Geospatial Solutions
- 11:28 **Jack Ickes, Intergraph**  
Intergraph - A Company's Profile!
- 11:41 **Alexander Wiechert, Vexcel Imaging/Microsoft**  
UltraCam and UltraMap
- 11:49 **Johannes Saile, Inpho**  
News from Trimble Geospatial
- 12:02 **Hubert Minten, IGI mbH**  
The Modular System Concept of IGI
- 12:10 **Carl Pulfrich Award 2009 Ceremony**  
- Mostafa Madani, Intergraph, Huntsville (Introduction)  
- Carl Pulfrich Award Speaker
- 12:40 **Announcements**  
Lunch break
- 14:30 **Demonstrations**  
- in groups according to separate schedule (in D & E)  
17:00
- 17:30 **Ice Breaker and 100th Anniversary Party**  
- in the "Haus der Wirtschaft"  
20:00

### Tuesday, September 8, 2009

- 1<sup>st</sup> Topic: Image-based Data Collection**
- 8:30 **Armin Gruen, ETH Zuerich**  
Digital Photogrammetric Imaging - Past, Presence and Future
- 9:00 **Michael Cramer, ifp, Universitaet Stuttgart**  
Digital Airborne Camera Performance - The DGPF Test
- 9:30 **Dirk Döring, Carl Zeiss, Oberkochen**  
Advantages of customized optical design for aerial survey cameras
- 9:50 **Robert Ryan, Innovative Imaging and Research Corp., USA**  
Enhanced Absolute and Relative Radiometric Calibration for Digital Aerial Cameras
- 10:10 **Christoph Dörstel, Intergraph Aalen**  
RMK D - A True Metric Medium-Format Digital Aerial Camera System
- 10:30 Break
- 11:00 **Yaron Vilan, Visionmap Ltd, Tel-Aviv**  
The New Vision Map A3 Airborne Camera System
- 11:20 **Jens Kremer, IGI mbH, Kreuztal**  
Optimized Data Acquisition With IGI DigiTHERM Thermal Camera System
- 11:40 **Nils Karbo, Blom ASA, Oslo**  
Oblique Aerial Photography: A Status Review
- 12:00 **Andreas Eckardt, DLR Berlin**  
The Bright Future of High Resolution Satellite Remote Sensing – Will Aerial Photogrammetry Become Obsolete?
- 12:30 Lunch break
- 14:30 **Demonstrations**  
- in groups according to separate schedule (in D & E)  
17:00
- 18.30 **Reception by State of BW and City of Stuttgart**



## Wednesday, September 9, 2009

### 2<sup>nd</sup> Topic: LiDAR: Airborne, Terrestrial and Mobile Applications

- 8:30 **George Vosselman, ITC, Enschede**  
Advanced Point Cloud Processing
- 9:00 **Charles Toth, Ohio State University, Columbus/Ohio**  
The State-of-the Art in Airborne Data Collection Systems - Focused On LiDAR And Optical Imagery
- 9:30 **Ron Roth, Leica Geosystems, Heerbrugg**  
Point Clouds and Pixels – New Technology Solutions for Imaging and Scanning Sensors
- 9:50 **Jan Böhm, ifp, Universitaet Stuttgart**  
Terrestrial LiDAR in Urban Data Acquisition
- 10:10 **Graham Hunter, 3DLM, Nottingham**  
Mobile Mapping - The StreetMapper Approach
- 10:30 Break
- 11:00 **Joe Hutton, Applanix Corporation**  
Mobile Mapping For Earth Works Monitoring
- 11:20 **Naser El-Sheimy, University of Calgary**  
Emerging MEMS IMU and its impact on mapping applications
- 11:40 **James P. Peterson, Trimble Geospatial, Westminster**  
Integrating Various Terrestrial and Aerial Sensor Data for Transportation Projects
- 12:00 **Bryan Mercer, Intermap, Calgary**  
Countrywide Coverage of RADAR DTMs - The Intermap Approach
- 12:30 Lunch break
- 14:30 **Demonstrations**  
-  
in groups according to separate schedule (in D & E)
- 17:00

## Thursday, September 10, 2009

### 3<sup>rd</sup> Topic: Value-Added Photogrammetry

- 8:30 **Wolfgang Förstner, University of Bonn**  
Computer Vision and Remote Sensing - Lessons Learned
- 9:00 **Franz Leberl, Graz University of Technology**  
Collection, Processing and Augmentation of VR Cities
- 9:30 **Thomas Kolbe, Technische Universität Berlin**  
CityGML - OGC Standard for Photogrammetry?
- 10:00 **Brad Skelton, ERDAS, Atlanta**  
Sensor to Internet: A Complete Workflow from Pixels to the Web with On-Demand Geo-Processing
- 10:30 Break
- 11:00 **Panel Discussion**  
The Vision of Carl Pulfrich and the Future of Photogrammetry
- Profile of Panelists:
- **Prof. Dr. Dieter Fritsch**, Univ. Professor, Organizer The Photogrammetric Week
  - **Prof. Dr. Franz Leberl**, Univ. Professor, Graz University of Technology, Founder of Vexcel Inc, Boulder/CO
  - **Dr. Ben Kacyra**, Founder of Cyra Technologies, Former CEO Cyra Technologies, Founder of Kacyra Family Foundation, Founder of CyArk
  - **Dr. Hans Hess**, Former CEO Leica Geosystems, CEO Hans Hess Consulting
  - **Ed Parsons**, Geospatial Technologist of Google
  - **Prof. Dr. Christian Heipke**, Univ. Professor Leibniz Univ. Hannover, Vice President Research EuroSDR
  - **Jack Ickes**, General Manager, Intergraph Huntsville
- 12:30 Lunch break
- 14:30 **Demonstrations**  
-  
in groups according to separate schedule (in D & E)
- 17:00
- Evening: **Together in Fellbach**  
18:00 Busses will leave for Reception and Phowo Dinner Party  
18:30 Reception and Phowo Dinner Party, Alte Kelter  
Return at about 22:30



## Friday, September 11, 2009

- 9:00 **Norbert Haala, ifp, Universitaet Stuttgart**  
Comeback of Digital Image Matching
- 9:30 **Eberhard Gülch, Stuttgart University of Applied Sciences**  
Advanced Matching Techniques for High Precision Surface and Terrain Models
- 9:50 **Ben Kacyra, CyArk, San Francisco**  
3D Documentation of the 500 Most Important Cultural Heritage Sites
- 10:10 **Christian Heipke, Leibniz Universität Hannover**  
EuroSDR – a Research Organisation Serving Europe's Geospatial Information Needs
- 10:30 Break
- 11:00 **Ed Parsons, Google, London**  
Google's Approach of 3D Mapping
- 11:45 **Martin Kada, ifp, Universitaet Stuttgart**  
The 3D Berlin Project
- 12:05 **Jürgen Döllner, Hasso-Plattner-Institute, Potsdam**  
Towards the Automated Construction of Digital Cities
- 12:35 **Closing address, Music and Farewell Drink**
- Demonstrations of the OpenPhoWo Partners**  
(in groups according to separate schedule)
- A** New Metric Camera Concept for 3D Data Acquisition (**Intergraph**)
- B** Integrated Workflow for Geospatial Data Production (**Intergraph**)
- C** Sensor-to-Internet Image Workflow - Featuring the New ERDAS Automated Terrain Extraction (eATE) (**Erdas**)
- D** Sensor Solutions for a Changing World – Featuring Leica XPro, the Workflow that Revolutionizes Image Generation (**Leica Geosystems**)
- E** Airborne Data Acquisition Solutions (**Trimble Geospatial**)
- F** INPHO Software for Terrain Modelling Applications (**Trimble Geospatial**)
- G** UltraCam and UltraMap - Technical Details and Practical Experiences (**Vexcel Imaging/Microsoft**)
- H** The Modular System Concept of IGI (**IGI**)