PMD [vision]® Day Vol. 3

November 18, 2010 · Kempinski Hotel Airport Munich
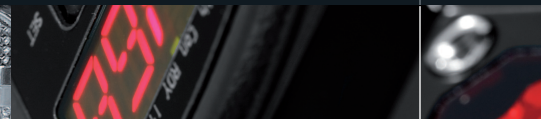
PMD TECHNOLOGIES

Consumer	Automotive	Industrial

Same time, same place, new dimensions – the PMD[vision]® Day Vol.3 will again take place at the redesigned Kempinski Hotel Airport Munich on November 18, 2010.

We would like to cordially invite you this year to experience the progress of the stunning 3D technology "live" at the PMD[vision]® Day Vol. 3. Through interesting speeches and talks concerning up-to-date applications and the future roadmap, the PMD[vision]® Day in 2010 will convey a formidable insight about further developments and demonstrate 3D solutions in various areas. Thereby, innovative and mind-blowing applications and solutions will be presented to also enable the interdisciplinary exchange.

Please join us and discover a new dimension in 3D-imaging: A new PMD evaluation board will be presented exclusively to the participants.

The conference is accompanied by an exhibition including the exclusive premiere of the new USB-powered PMD[vision]® CamBoard with 40.000 3D-pixels, an automotive test vehicle comprising newest PMD camera innovations as well as additional demos from Texas Instruments, Omek Interactive, University of Kiel, KUKA robotics and many more, which will invite you to interactively experience endless technological opportunities.

9:00 - 9:15 I Welcome to PMD[vision] Day 2010 - Markets, Trends and Visions for 3D Time-of-Flight, Dr. Bernd Buxbaum, PMDTechnologies GmbH, CEO

9:15 - 9:45 I Time-of-Flight Cameras for 3D-TV and Augmented Reality Applications, Prof. Dr. Reinhard Koch, University of Kiel, Head Multimedia Information Processing Group

9:45 - 10:15 I Capturing and Accumulation of PMD Sensor Data, Prof. Dr. Andreas Kolb, University of Siegen, Head Computer Graphics and Multimedia Systems Group

10:15 - 10:45 I Coffee break

10:45 - 11:15 I Full Body Tracking for an immersive gaming experience based on 3D-Time-of-Flight sensing, Dr. Gershom Kutliroff, Omek Interactive, CTO & Founder

11:15 - 11:45 I Natural User Interface (NUI) by 3D Imaging: From Concept to Reality, Dr. Giora Yahav, Microsoft, General Manager Advanced Imaging Technology Group

11:45 - 12:15 I Time-of-Flight based vision middleware acceleration on SIMD architecture, Dr. Dongik Ko, Texas Instruments, Senior System Software Engineer

12:15 - 14:00 I Lunch & Demonstrations

[Agenda]

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14:00 - 14:30 I Quality: From Idea to Solution - Development & Roadmap of PMD Products, Dr. Holger Kraft, PMDTechnologies GmbH, Vice Director Technical Development

14:30 - 15:00 I Integrated Safety - Challenges, Trends and Influence on Systems, Torsten Gollewski, AUDI AG, Head Electronic Systems for active/passive Vehicle Safety

15:00 - 15:30 I PMD cameras for Automotive and Outdoor Applications, Dr. Volker Frey, ifm electronic gmbh, Head Project Management and System Engineering

15:30 - 16:00 I Coffee break

16:00 - 16:30 I Human-Robot Interaction by Analyzing PMD-Image Sequences, Dr. Jürgen Graf, University of Karlsruhe, Research groupleader cognitive robotics

16:30 - 17:00 I 3-D Environment Reconstruction on Mobile Service Robots Using Time-of-Flight Cameras, Georg Arbeiter, Fraunhofer IPA Robotersysteme, Project Manager

from 17:00 I Final Discussion, Summary and Outlook

Conclusion with drinks

Registration

The participation fee includes the conference proceedings as well as a rich lunch buffet and coffee breaks with delicious snacks.

Participation fee: 390,00 € plus VAT
Deadline: November 11, 2010

Registering in advance pays off:
We will award a 25% discount to participants who register before ~~September 23, 2010~~ October 14, 2010 (Extended deadline!).

PMD
TECHNOLOGIES

Your way to the PMD [vision]® Day Vol. 3

Kempinski Hotel Airport Munich I Terminalstraße Mitte 20 I 85356 Airport Munich
The hotel is located between Terminal 1 and 2 – Parking is available at parking garage P26, directly beneath the hotel.

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