

PCS 2012

Picture Coding Symposium

7-9 May, 2012,
Kraków, Poland
www.pcs2012.org

Honorary Chairman:

Hans-Georg Musmann

Leibniz Universität Hannover, Germany

General Chair:

Marek Domański

Poznan University of Technology,
Poland

International Steering Committee:

Kiyoharu Aizawa

University of Tokyo, Japan

John Apostolopoulos

HP Labs, USA

Tsuhan Chen

Cornell University, USA

Edward J. Delp

Purdue University, USA

Marek Domański

Poznan University of Technology, Poland

Touradj Ebrahimi

EPFL, Switzerland

Pascal Frossard

EPFL, Switzerland

Bernd Girod

Stanford University, USA

Christine Guillemot

INRIA, France

Hsueh-Ming Hang

National Chiao-Tung University, Taiwan

Yun He

Tsinghua University, China

Thomas S. Huang

University of Illinois, USA

Yo-Sung Ho

Gwangju Institute of Science
and Technology, Korea

Aggelos K. Katsaggelos

Northwestern University, USA

Jiro Katto

Waseda University, Japan

Sang Uk Lee

Seoul National University, Korea

Hans G. Musmann

Leibniz Universität Hannover, Germany

Antonio Ortega

University of Southern California, USA

Joern Ostermann

Leibniz Universität Hannover, Germany

Fernando Pereira

IST-IT, Portugal

Kannan Ramchandran

University of California, Berkeley, USA

Takahiro Saito

Kanagawa University, Japan

Mihaela van der Schaar

University of California, LA, USA

Ralf Schaefer

Heinrich-Hertz Institut, Germany

Andrew Segall

Sharp Labs, USA

Thomas Sikora

Technical University of Berlin, Germany

Gary Sullivan

Microsoft, USA

Masayuki Tanimoto

Nagoya University, Japan

Murat Tekalp

Koc University, Turkey

Yoshiyuki Yashima

Chiba Institute of Technology, Japan

Lu Yu

Zhejiang University, China



29TH PICTURE CODING SYMPOSIUM 7-9 May 2012 KRAKÓW, POLAND

CALL FOR PAPERS

Picture Coding Symposium (PCS) is an international forum devoted specifically to advancements in visual data coding. PCS is the pioneer and has the longest history in this field. Its history dates back to the year 1969, when the first meeting took place in Cambridge, USA. Since then, PCS is one of the most important venues in the calendar of visual data coding community - industry, research, academia, and users. The proceedings of Picture Coding Symposia collect the well selected papers and are now easily accessible through the IEEE Xplore service.

After the 27th meeting in Chicago, USA, and 28th meeting in Nagoya, Japan, the 29th meeting is scheduled to take place in Kraków, Poland.

The conference topics include, but are not limited to the following:

- Coding of still and moving pictures
- Emerging video coding standards
- HEVC-related topics
- Multi-view video processing and coding
- Representation, analysis and coding of 3D scenes
- Free viewpoint television
- Model-based and synthetic coding
- Distributed source coding
- Image and video processing
- Multimodal coding and processing
- Very high-resolution imaging, coding and processing
- Virtual/augmented/mixed reality
- Subjective and objective quality assessment metrics and methods
- Joint source and channel coding
- Error robustness, resilience and concealment
- Transcoding and transmoding
- Coding for mobile, IP and sensor networks
- Coding and processing for database applications
- Protection and integrity of visual data
- Implementation architectures and VLSI
- New applications and techniques for visual data processing
- Standards for visual data coding

Important dates:

Special session proposals:	October 15, 2011
Paper submission:	October 30, 2011
Notification of acceptance:	February 8, 2012
Camera-ready paper submission:	March 1, 2012

www.pcs2012.org



PCS history

In recent years, the picture coding community has been meeting once every 18 months to share their most important achievements and discoveries. The long history of the PCS can be summarized by listing the previous meeting places:

1969 Cambridge, USA	1990 Cambridge, USA
1970 Raleigh, USA	1991 Tokyo, Japan
1971 Lafayette, USA	1993 Lausanne, Switzerland
1973 Los Angeles, USA	1994 Sacramento, USA
1974 Goslar, Germany	1996 Melbourne, Australia
1976 Asilomar, USA	1997 Berlin, Germany
1977 Tokyo, Japan	1999 Portland, USA
1979 Ipswich, England	2001 Seoul, Korea
1981 Montreal, Canada	2003 Saint-Malo, France
1983 Davis, USA	2004 San Francisco, USA
1984 Cesson Sevigne, France	2006 Beijing, China
1986 Tokyo, Japan	2007 Lisbon, Portugal
1987 Stockholm, Sweden	2009 Chicago, USA
1988 Turin, Italy	2010 Nagoya, Japan

Other events:

The PCS2012 will be held in the week directly after the **100TH MPEG meeting** in Geneva, Switzerland.

Immediately after the PCS2012, on May 10-11, 2012 a **Packet Video Workshop** will take place in Munich, Germany. Munich can be easily reached from Kraków by plane. The flight takes about 90 minutes.

About Kraków:

Kraków is the second largest Polish city and the former capital of Poland. Kraków is one of the most popular tourist destinations in Poland, with more than 7 million visitors each year.

Contrary to most of Polish cities it was only moderately damaged during the Second World War, preserving the most of its historical buildings. Its center keeping the charm of an old and ever important mid-European city is included on the UNESCO list of World Heritage.

Thanks to many universities and cultural establishments, Kraków is a city of great importance to Polish culture and history. The first Polish university was founded in Kraków in 1364 and is now known as Jagiellonian University (Uniwersytet Jagielloński). Along with Warsaw, Kraków is the main cultural center of Poland, hosting many famous theaters, museums and other cultural institutions. The royal castle in Kraków - Wawel, home to many Polish kings, has been a place of burial of Polish heads of the State up to these days.

Nearby destinations:

Wieliczka Salt Mine (13 km from Kraków city center) - one of the oldest companies in the world, salt mining in this area dates back to 11th century.

Auschwitz Birkenau German Nazi Concentration and Extermination Camp (1940-1945) (70 km from Kraków)- the place of imprisonment and murder of many hundreds of thousands of people during the Second World War.

Tatry mountains (106 km from Kraków) - the highest Polish mountains, a popular tourist destination in Poland.

www.pcs2012.org

**PCS
2012**

**Picture
Coding
Symposium**

**7-9 May, 2012,
Kraków, Poland
www.pcs2012.org**

Organizers:

Poznań University of Technology,
Chair of Multimedia Telecommunications
and Microelectronics

Polish Society for Theoretical and Applied
Electrical Engineering (PTETIS) - Poznań
Branch

Organization Committee:

General Chair:

Marek Domański

Technical Program Chairs:

Ryszard Stasiński
Damian Karwowski

Organizing Committee Chair:

Sławomir Maćkowiak

Organizing Committee Members:

Maciej Bartkowiak
Tomasz Grajek
Łukasz Januszkiewicz
Krzysztof Klimaszewski
Jacek Konieczny
Adam Łuczak
Robert Ratajczak
Jakub Siast
Jakub Stankowski
Krzysztof Wegner

Conference Secretary:

Agnieszka Jarysz

office@pcs2012.org

tel. +48 61 665 3900
fax: +48 61 665 3899