

FINAL CALL FOR ABSTRACTS REMINDER

ABSTRACTS DEADLINE—March 31, 2016

The abstract submission deadline for **IVC-20/ICSS-16/ICN+T2016/VASSCAA-8/ISPB2016** is less than **TWO WEEKS** away!

Don't delay. Visit www.ivc20.com today for details.

WEB SUBMISSIONS ONLY: Abstracts must be submitted via the website only.
Detailed abstract submission instructions can be found at www.ivc20.com.

The 20th International Vacuum Congress (IVC-20) is scheduled for August 21-26 in Busan, Korea. This year's Congress will feature plenary sessions, parallel topical sessions, poster sessions and an exhibition. Mark your calendar today and plan to attend!

SCIENTIFIC PROGRAM

The Congress will feature oral and poster presentations covering the topics of the 13 divisions:

- 01. Applied Surface Science (ASS)
- 02. Biointerfaces (BI)
- 03. Electronic Materials and Processing (EMP)
- 04. Nanometer Structures (NS)
- 05. Plasma Science and Technique (PST)
- 06. Surface Engineering (SE)
- 07. Surface Science (SS)
- 08. Thin Films (TF)
- 09. Vacuum Science and Technology (VST)
- 10. 2D Materials and Devices (2DMD)
- 11. Alternative Energy; Fuel Cells, Solar Cells, Battery, Capacitors, Catalysts (AE)
- 12. Advanced Semiconductor and Display Devices (ASDD)
- 13. Plasma Bioscience and Medicine (PBM)

PLENARY SPEAKERS

- Joanna Aizenberg (Director, Kavli Institute, Harvard University, USA)
- Kinam Kim (President, Semiconductor Business, Samsung Electronics Co. Ltd., Korea)
- Erwin Neher (Director, MPI-BPC, Germany) **Nobel Laureate in Physiology or Medicine*
- Hideo Ohno (Professor, Tohoku University, Japan)
- Qi-Kun Xue (Vice President, Tsinghua University, China)

KEYNOTE SPEAKERS

- Zhenchao Dong (University of Science and Technology of China, China)
- Chuk Fadley (UC Davis & LBNL, USA)
- Hans-Joachim Freund (Fritz-Haber-Institut der Max-Planck-Gesellschaft, Germany)
- Alexander Fridman (Drexel University, USA)

- Franz J. Giessibl (University of Regensburg, Germany)
- Ian Gilmore (National Physical Laboratory, UK)
- Donhee Ham (Harvard University, USA)
- Andreas Heinrich (IBM Almaden Research Center, USA)
- Hideo Hosono (Tokyo Institute of Technology, Japan)
- Philip Kim (Harvard University, USA)
- Jolanta E. Klemberg-Sapieha (Polytechnique Montreal, Canada)
- Michael L. Roukes (California Institute of Tech, USA)
- Jochen M. Schneider (RWTH Aachen University, Germany)
- Joseph A Stroscio (National Institute of Standards and Technology, USA)
- Zhong Lin Wang (Georgia Institute of Technology, USA)
- Roland Wiesendanger (University of Hamburg, Germany)

INVITED SPEAKERS

The following is a partial list of invited speakers:

- Masakazu Aono (National Institute for Materials Science, Japan)
- Marcela Bilek (University of Sydney, Australia)
- Dheerawan BOONYAWAN (Chiang Mai University, Taiwan)
- Maja Buljan (Rudjer Boskovic Institute, Croatia)
- Hong-young Chang (KAIST, Korea)
- Yang-Fang Chen (National Taiwan University, Taiwan)
- Boklae Cho (Korea Research Institute of Standards and Science, Korea)
- Sung Min Cho (Sungkyunkwan University, Korea)
- Ho Kyun Chung (Sungkyunkwan University, Korea)
- Jiangnan Dai (Huazhong University of Science and Technology, China)
- Christian Day (Karlsruhe Institute of Technology, Germany)
- Li Detian (Lanzhou Institute of Physics, China)
- Ulrike Diebold (Vienna University, Austria)
- Maria Dinescu (National Institute for Laser, Plasma and Radiation Physics, Romania)
- Philipp Ebert (Jülich, Germany)
- Franz Faupel (University of Kiel, Germany)
- Stefan Folsch (Paul-Drude-Institut, Germany)
- Katharina Franke (FU Berlin, Germany)
- Ken-ichi Fukui (Osaka University, Japan)
- Timo Gans (University of York, UK)
- Dorri Halbertal (Weizmann Institute, Israel)
- Shuji Hasegawa (Tokyo University, Japan)
- D. Hatanaka (NTT Basic Research Lab, Japan)
- Masaru Hori (Nagoya University, Japan)
- Ray-Hua Horng (National Chiao Tung University, Taiwan)
- Hsiao-chaun Hseuh (Brookhaven National Laboratory, USA)
- Taeghwan Hyeon (Seoul National University, Korea)
- Shahal Ilani (Weizmann Institute, Israel)
- Jinfeng JIA (Shanghai Jiaotong University, China)
- Vassilios Kapaklis (Uppsala University, Sweden)
- Atsuo Kawana (Japan Coating Center Co., Ltd., Japan)
- Alexander Ako Khajetoorians (Radboud University, Netherlands)
- Maya Kiskinova (Elettra, Italy)

- Norbert Koch (Humboldt University, Germany)
- Susan P. Krumdieck (University of Canterbury, New Zealand)
- Guy Le Lay (Marseille University, France)
- Jeff Jyh-Wei Lee (Ming Chi University, Taiwan)
- Kwang-Ryeol Lee (KIST, Korea)
- An-Ping Li (Oak Ridge National Lab, USA)
- Hao-Wu Lin (National Tsing-Hua, Taiwan)
- Zhi Liu (Shanghai Tech University, China)
- Weiguo LIU (Xi'an Technological University, China)
- Nicolás Lorente (Spanish National Research Council, Madrid, Spain)
- Xinpei Lu (Huazhong University, China)
- Edvin Lundgren (Lund University, Sweden)
- Hari Manoharan (Stanford University, USA)
- Daniil Marinov (Ecole Polytechnique, France)
- Kai Masur (INP Greifswald, Germany)
- Jiro Matsuo (Kyoto University, Japan)
- Anna Fontcuberta i Morral (ÉCOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE, Switzerland)
- Junji Nakamura (Tsukuba University, Japan)
- Sander Otte (Delft University, Netherlands)
- Yun Daniel Park (Seoul National University, Korea)
- Hrvoje Petek (University of Pittsburgh, USA)
- Jean-Michel Pouvesle (University of Orleans, France)
- Xiaohui Qi (Chinese Academy of Sciences, China)
- Sunmin Ryu (POSTECH, Korea)
- Hidemi Shigekawa (University of Tsukuba, Japan)
- Michelle Y. Simmons (University of New South Wales, Australia)
- Toshiki Sugimoto (Kyoto University, Japan)
- Mauro Taborelli (CERN, Switzerland)
- Hiromasa Tanaka (Nagoya University, Japan)
- Michael C. Tringides (Iowa State University, USA)
- Wolf Widdra (Halle University, Germany)
- Heejun Yang (Sungkyunkwan University, Korea)
- Tsuneo YASUE (Osaka Electro-Communication University, Japan)
- A. Yazdani (Princeton University, USA)
- Yung Kee Yeo (Air Force Institute of Technology, USA)
- Hedeki Yoshikawa (NIMS, Japan)
- Xiao-Ying Yu (Pacific Northwest National Laboratory, USA)
- Yuanbo Zhang (Fudan University, China)
- Guang-Ping Zhang (Materials Science Institute of Metal Research, Chinese Academy of Sciences, China)
- Zhenyu Zhang (University of Science and Technology of China, China)
- Jianhua Zhao (Institute of Semiconductors, China)
- Zihua Zhu (Pacific Northwest National Laboratory, USA)

JOURNAL PUBLICATION

Presenters who have demonstrated the highest levels of excellence and innovation will have the opportunity to submit their papers to the following journals. (* *In Progress*)

- Applied Surface Science *
- Biointerphases

- Journal of Biomaterials and Tissue Engineering
- Journal of Biomedical Nanotechnology
- Journal of Nanoelectronics and Optoelectronics
- Journal of Nanoscience and Nanotechnology
- Nanoscience and Nanotechnology Letters
- Science of Advanced Materials
- Surface & Coatings Technology
- Thin Solid Films *

STUDENT AWARDS & GRANTS

The Congress will give partial financial support to young scientists. Don't miss the chance to win either a grant or award! Application details can be found at www.ivc20.com.

- **IUVSTA-VASSCAA-Elsevier Student Awards**

- **KVS Student Grants**

CONGRESS VENUE

BEXCO (Busan Exhibition Convention Center)

VISIT KOREA!

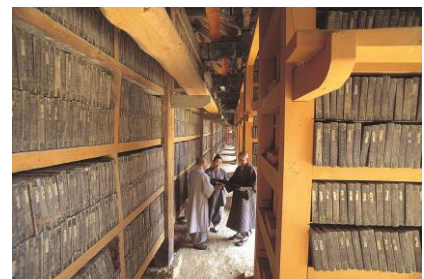
Visit UNESCO-designated sites, try on a *hanbok* in a royal palace, or take a tour of the DMZ! There are an endless number of unique things to see and do in Korea.



Gyeongbokgung Palace, the largest of the Five Grand Palaces in Korea, is arguably the most beautiful.



Jeju Island is named one of the New 7 Wonders of Nature. There is so much beauty to see on Jeju that a full year wouldn't be enough.



Haeinsa Temple is home to *Palmandaejanggyeong* (Tripitaka Koreana) and designated as a World Cultural Heritage.

IMPORTANT DATES

Abstract Submission Deadline

March 31, 2016

Abstract Status Sent to Authors

April 30, 2016

Preregistration Closes

May 31, 2016

CONGRESS CHAIR

Kang, Hee Jae

Chungbuk National University

PROGRAM CHAIR

Kuk, Young

Seoul National University

For the most up-to-date information on IVC-20, visit www.ivc20.com.