

Announcement and first call for papers for 5th international symposium on

INVERSE PROBLEMS, DESIGN AND OPTIMIZATION - IPDO2019
Tianjin, P. R. China
September 24-26, 2019
<http://ipdo2019.ipdos.org>

IPDO sequence of international symposia's main objective is to bring three communities of researchers (inverse problems, multidisciplinary design theory and optimization experts) together in a unique international forum that provides an excellent basis for cross-fertilization of ideas, as well as for the creation of new synergistic approaches and methodologies.

Contributed, invited and keynote papers dealing with robust, efficient solution methods in multidisciplinary practical applications are highly encouraged, such as in nanotechnology, chemistry, physics, aeronautics, astronautics, micro-electronics, bio-medicine, transport and sensing of pollutants, materials design and processing, remote sensing, non-destructive evaluation, variable material property determination, acceleration of single-objective and many-objective optimization algorithms, metamodelling for high-dimensional problems, uncertainty quantification, unsupervised deep learning algorithms, real time decision making, and others.

Successful previous versions of the IPDO Symposium were held in Rio de Janeiro, Brazil (2004), Miami Beach, USA (2007), Joao Pessoa, Brazil (2010) and Albi, France (2013).

SUBMISSION OF CONTRIBUTED ABSTRACTS AND FULL PAPERS

Authors should send a two-page abstract in pdf (Portable Document Format) to IPDO2019@HEBUT.EDU.CN as an attachment to their e-mail message by March 15, 2019. Authors of inverse problems abstracts should also consider submitting full papers for review and possible publication in the special issues of *Inverse Problems in Science and Engineering*.

CHAIR OF THE IPDO2019

Prof. Xu Han

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HONORARY CO-CHAIRS OF THE IPDO2019

Prof. George S. Dulikravich

Florida International University, Miami, USA

Prof. Helcio R. B. Orlande and Marcelo J. Colaco

Federal University of Rio de Janeiro, Brazil

INTERNATIONAL ORGANIZING COMMITTEE

Alifanov, O. (Russia), Bonett, M. (France), Cheng, G.D. (China), Cheng, J. (China), Coello Coello, C.A. (Mexico), Duan, B.Y. (China), Egorov, I.N. (Russia), Friswell, M. (UK), Ghattas, O. (USA), Hao, D.N. (Vietnam), Hasanoglu, A. (Turkey), Klibanov, M. (USA), Lesnic, D. (UK), Liu, G.R. (USA), Marin, L. (Romania), Natterer, F. (Germany), Potthast, R. (Germany), Ostrowski, Z. (Poland), Romanov, V.G. (Russia), Sebu, C. (Malta), Silva Neto, A. (Brazil), Slodicka, M. (Belgium), Watzenig, D. (Austria), Yagola, A.G. (Russia), Yuan, Y.X. (China).

IMPORTANT DATES

January 31, 2019	One-page proposals for organizing invited sessions with 5-6 speakers each		
March 15, 2019	Two-page abstracts due	April 23, 2019	Abstract acceptance
June 15, 2019	Full papers due	July 15, 2019	Full paper acceptance
July 1, 2019 - August 24, 2019	Early registration		

LOCATION

IPDO2019 Symposium will be held in Holiday Inn Riverside, Tianjin, China, only 30 minutes by a bullet train from Beijing (<https://www.ihg.com/holidayinn/hotels/gb/en/tianjin/tsncr/hoteldetail>).

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