



## Letter from the Chairs

Welcome to Beijing for Transducers'11, the 16<sup>th</sup> International Conference on Solid-State Sensors, Actuators and Micro Systems. The Transducers conference series started in 1981 in Boston, and continued biennially in Delft, Philadelphia, Tokyo, Montreux, San Francisco, Yokohama, Stockholm, Chicago, Sendai, Munich, Boston, Seoul, Lyon, Denver and Beijing. We are pleased to see that the Transducers field has kept growing vigorously since it was founded, and the conference is now ceremoniously greeting its 30 years anniversary.

Transducers'11 has received 1652 abstracts and 11 late news submitted from thirty-nine countries/regions. TPC members have worked hard in refereeing the submissions of record number. As a result, 214 papers have been selected for oral presentations and 529 papers have been selected for posters, making this conference the largest in Transducers history. In addition to that, 15 invited papers have been selected by extensive nomination and election. The technical program covers one plenary session, thirty six oral sessions and three poster sessions. An opening plenary session starts the meeting. Three plenary talks of exciting topics are given by distinguished experts. Four parallel sessions of oral presentation start with invited talks each day. The Digest of Technical Papers contains extended abstracts of all oral and poster presentations, and is provided in USB electronic version and three printed volumes. All the papers will be accessible through the IEEE Xplore digital library, and some selected papers will be published in Special Volumes of *Sensors and Actuators A or B*. "Outstanding Papers" will be elected from the papers presented at the conference, and the authors will be awarded.

In addition to the technical program, exhibitions are held in parallel with the technical sessions. Six short courses have been organized preceding the meeting, and a technical tour has been arranged after the meeting. To celebrate the 30 years anniversary of Transducers conference, some characteristic activities have been arranged. An interesting "Historical Exhibit" to highlight the 30 years' history will open to all the participants at the meeting, and the posters of the exhibit will be distributed to the conference participants. A series of exciting social events will provide attendees the opportunities for informal interaction and experiencing culture, food and entertainment. A welcome reception will be held in the evening of June 5 at the China Science and Technology Museum, together with the iCAN Contest. The conference will open on June 6, by coincidence on the Chinese traditional "dragon boat festival". An evening reception on the opening day, June 6 and a banquet on June 8 will be enriched with abundant Chinese features.

A remarkable feature of this meeting is that the Transducers conference is for the first time being held in a developing country. We believe that Transducers'11 in Beijing will have deep and wide influence. Beijing is the capital of China and is the country's political and cultural center. She is an ancient yet fast changing modern city, retaining colorful and harmonious mixture of ancient and modern civilizations. It has many wonderful cultural opportunities for discovering and enjoyment. The conference venue is at the China National Convention Center, which was constructed for the Olympic Games and hosted the Olympic fencing event in 2008, and it is located next to the Olympic Park, the Bird's Nest stadium and the Water Cube.

We would like to thank all the people who have contributed to the conference. We especially appreciate the work of all the chairs and members in various committees of Transducers'11. We are grateful to the enthusiastic support from the Transducers community all over the world and the painstaking work of the Transducers'11 team. We thank all the sponsors, exhibitors, authors and attendees of the conference.

Finally, we wish you will gain a lot from the conference and enjoy your time in Beijing.

Shanhong Xia  
General Chair



Shanhong Xia

Minhang Bao  
General  
Co-Chair



Minhang Bao

Long-Sheng Fan  
Technical  
Program Chair



Long-Sheng Fan