

# International Conference on Applied Harmonic Analysis and Multiscale Computing

July 25 ~ 28, 2011, University of Alberta, Edmonton, Canada

Followed by a Summer School, July 29 ~ 31, 2011

## Plenary Speakers

John J. Benedetto (Univ. of Maryland)  
Charles K. Chui (Stanford Univ. and Univ. of Missouri at St. Louis)  
Stanley Osher (Univ. of California at Los Angeles)  
Amos Ron (Univ. of Wisconsin - Madison)  
Zuowei Shen (National Univ. of Singapore)  
Steve Smale (UC Berkeley and City Univ. of Hong Kong)  
Gilbert Strang (Massachusetts Institute of Technology)  
Ding-Xuan Zhou (City Univ. of Hong Kong)

## Scientific Committee

Carl de Boor (Univ. of Wisconsin - Madison)  
Ronald DeVore (Texas A&M Univ.)  
Thomas J. R. Hughes (The Univ. of Texas at Austin)  
Stanley Osher (Univ. of California at Los Angeles)  
Gilbert Strang (Massachusetts Institute of Technology)

## Invited Speakers

Michael Adams (Univ. of Victoria)  
Akram Adroubi (Vanderbilt Univ.)  
Amir Averbuch (Tel Aviv Univ.)  
Radu Balan (Univ. of Maryland)  
Gregory Beylkin (Univ. of Colorado at Boulder)  
Peter G. Binev (Univ. of South Carolina)  
Elena Braverman (Univ. of Calgary)  
Li-Qun Cao (The Chinese Academy of Sciences)  
Dao-Qing Dai (Sun Yat-Sen Univ.)  
Feng Dai (Univ. of Alberta)  
Zeev Ditzian (Univ. of Alberta)  
Serge Dubuc (Univ. of Montreal)  
Jean-Pierre Gabardo (McMaster Univ.)  
Say Song Goh (National Univ. of Singapore)  
Bin Han (Univ. of Alberta)  
Douglas Hardin (Vanderbilt Univ.)  
Christopher E. Heil (Georgia Institute of Technology)  
Kurt Jetter (Univ. of Hohenheim)  
Rong-Qing Jia (Univ. of Alberta)  
Qing-Tang Jiang (Univ. of Missouri at St. Louis)  
Palle Jorgensen (The Univ. of Iowa)  
Gitta Kutyniok (Univ. of Osnabrueck)  
Qun Mo (Zhejiang Univ.)  
Seng Luan Lee (National Univ. of Singapore)  
Song Li (Zhejiang Univ.)  
Jorg Peters (Univ. of Florida)  
Gerlind Plonka-Hoch (Univ. of Goettingen)  
Ivan Selesnick (Polytechnic Univ.)  
Bernard Shizgal (Univ. of British Columbia)  
Maria A. Skopina (St. Petersburg State Univ.)  
Qiyu Sun (Univ. of Central Florida)  
Keith Taylor (Dalhousie Univ.)  
Jiangzhong Wang (Sam Houston State Univ.)  
Yang Wang (Michigan State Univ.)  
Yau Shu Wong (Univ. of Alberta)  
Zongmin Wu (Fudan Univ.)  
Ozgur Yilmaz (Univ. of British Columbia)  
Thomas P-Y Yu (Drexel Univ.)

Topics are on Applied and Computational Harmonic Analysis and its Applications in the broadest sense, including, but not limited to

- **Applied Harmonic Analysis**
- **Approximation Theory**
- **Compressive Sampling and Sparsity**
- **Computational Methods**
- **Image and Signal Processing**
- **Learning Theory and Algorithms**
- **Multiscale-related Numerical Algorithms**
- **Sampling Theorems in Signal Processing**
- **Subdivision Schemes**
- **Wavelets and Framelets**
- **Any Other Related Topics...**

## Summer School, July 29-31, 2011, Edmonton

July 29: Learning theory  
by **Steve Smale** and **Ding-Xuan Zhou**  
July 30: MRA based wavelet frames and applications  
by **Zuowei Shen**  
July 31: Algorithms of wavelets and framelets  
by **Bin Han**

## Collaborative Research Group Members

(PIMS CRG on Applied and Computational Harmonic Analysis)

Michael Adams (Univ. of Victoria)  
Elena Braverman (Univ. of Calgary)  
Len Bos (Univ. of Calgary)  
Thomas Duchamp (Univ. of Washington)  
Felix J. Herrmann (Univ. of British Columbia)  
Bin Han (Univ. of Alberta)  
Rong-Qing Jia (Univ. of Alberta)  
Peter D. Mineev (Univ. of Alberta)  
Xiaobo Li (Univ. of Alberta)  
Bernard Shizgal (Univ. of British Columbia)  
Yau Shu Wong (Univ. of Alberta)  
Ozgur Yilmaz (Univ. of British Columbia)

## Conference Organizers

Elena Braverman (Univ. of Calgary)  
Bin Han (Univ. of Alberta)  
Rong-Qing Jia (Univ. of Alberta)  
Yau Shu Wong (Univ. of Alberta)  
Ozgur Yilmaz (Univ. of British Columbia)

## Conference Contact

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