



THE WIND ENGINEER

NEWSLETTER OF AMERICAN ASSOCIATION FOR WIND ENGINEERING

In this issue:

AAWE Elections 2017 **1**

AAWE Awards for 2017 Call
for Nominations/Applications **1**

Bios for AAWE Board
Member Candidates **2-5**

Message from the retiring
President **5**

AAWE Awards for 2017
details **6-7**

AAWE Elections 2017

AAWE members in good standing have **until February 3, 2017** to cast their votes to elect a new President-Elect and three members of the Board of Directors. AAWE Members can vote through:

<https://www.surveymonkey.com/r/JGSLMSF>

For President-elect, AAWE members can vote to re-elect Jon Galsworthy or they can vote for a write-in candidate. For the three positions at the Board of Directors, there are seven candidates in the running:

- Xinzhong Chen
- Peter L. Datin
- Nigel Berkeley Kaye
- Russell Larsen
- Frank Lombardo
- Rathinam Panneer Selvam
- Ioannis Zisis

Write-in votes are also allowed for the Board of Directors positions.

If you have any questions about the elections or problems with voting, please contact Chris Letchford, AAWE Past President, at letchc@rpi.edu. Starting on page 2, short bios of the candidates for the Board of Directors are presented.

AAWE Awards for 2017 Call for Nominations/Applications

The AAWE is calling for nominations and applications for the following awards to be handed at the Americas Conference on Wind Engineering:

- Richard Marshall Award
- Robert Scanlan Award
- Michael Gaus Distinguished Service Award
- Best Journal Paper Award
- Industry Innovation Award

For each award, the descriptions, requirements, application processes and deadlines are presented on pages 6 and 7, Please send all nominations/applications to Girma Bitsuamlak, AAWE Awards Committee Chair, at gbitsuam@uwo.ca.



Xinzhong Chen, Dr. Eng.



Professor,
Texas Tech University
xinzhong.chen@ttu.edu

Research Interests

- Bridge and Building Aerodynamics
- Wind Engineering
- Fatigue and Extreme Loads and Responses of Large Wind Turbines
- Aeroelastic Instability of Onshore and Offshore Wind Turbines
- Cable-Supported Bridges and Tall Buildings
- Structural Dynamics and Random Vibration
- Structural Reliability and Performance-Based Design
- Codes and Standards

Education

- Dr Eng, Civil Engineering, Kyoto University (1995)
- MS, Civil Engineering, China Academy of Railway Sciences (1986)
- BS, Civil Engineering, Southwest Jiaotong University (1983)

Peter L. Datin, PhD



Principal Modeler, Model Development,
Risk Management Solutions, Inc., Boston
peter.datin@rms.com

Research Interests

- Wind engineering of structures
- Performance-based wind engineering
- Load paths in wood-frame structures to various natural hazards both experimental and analytical
- Risk modeling and development of resilient infrastructure to minimize damage from natural hazards
- Building vulnerability development based on physics/engineering-based methodologies

Education

- PhD, Civil Engineering, University of Florida, Gainesville, FL (2010)
- MS, Civil Engineering, Clemson University, Clemson, SC (2007)
- BS, Civil Engineering, Oklahoma State University, Stillwater, OK (2005)

Nigel Berkeley Kaye, PhD

Associate Professor,
Clemson University
nbkaye@clemson.edu

Research Interests

- Environmental fluid mechanics
- Wind-borne debris flight
- Heat and pollutant transport in buildings
- Mixing in stratified flows
- Buoyancy driven shear flows

Education

- PhD, University of Cambridge, United Kingdom (1998)
- BE, University of New South Wales, Australia (1994)

Russell Larsen, PE, SE

Senior Associate,
Magnusson Klemencic Associates, Seattle
rlarsen@mka.com

Professional Interests

- In the last 13 years, Russell has worked on office and housing projects throughout the U.S., often in regions with high seismicity. He leads both MKA's Wind and Analysis Specialist Teams and is also a key member of the firm's BIM, Concrete, and Steel Specialist Teams. Russell is a Task Force Member of the Applied Technology Council (ATC) 58 project, where he is part of a committee developing guidelines for seismic performance assessment of buildings and performance-based seismic design (PBSD).

Education

- MS, Civil Engineering, University of Washington (2003)
- BS, Civil Engineering, University of Washington (2001)

Frank Lombardo, PhD



Assistant Professor
University of Illinois, Urbana
lombaf@illinois.edu

Research Interests

- Societal Risk Management
- Structural Engineering
- Natural Hazard modelling including non-synoptic winds
- Tornado modelling and damage prediction

Education

- PhD, Wind Science and Engineering, Texas Tech University (2009)
- BS, Civil Engineering, Tri-State (Trine) University (2002)

Rathinam Panneer Selvam, PhD



James T. Womble Professor of Computational
Mechanics, University of Arkansas
rps@uark.edu

Research Interests

- Numerical modeling of linear, nonlinear and dynamic behavior in structural mechanics, fluid dynamics and acoustics using boundary element, finite element and finite difference methods.
- Developing spray cooling devices for high power electronic systems.
- Experimental research using photoelasticity and strain measuring instruments
- Bridge and panel flutter,
- Tornado effects on buildings

Education

- PhD, Texas Tech University, Lubbock, Texas, (1985)
- MSCE, South Dakota School of Mines and Technology, Rapid City, SD (1982)
- Master of Engineering (Structural), University of Madras, College of Engineering, Guindy, Madras, India (1980)
- BSCE, University of Madras, Government College of Engineering, Salem, India, (1978)

Ioannis Zisis, PhD



Member, Wall of Wind, Wind Engineering Research Group

Assistant Professor, Florida International University

izisis@fiu.edu

Research Interests

- Full-scale structural behaviour in properly simulated hurricane flows
- Performance-based design for hurricanes through direct correlation of wind speed with performance and damage levels
- Building Codes

Education

- PhD, Concordia University (2011)
- MAsC, Building Engineering Concordia University (2006)
- Dipl. Ing, Civil Engineering, University of Thessaloniki (2003)

Message from the retiring President

Fellow Wind Engineers, it seems barely yesterday that I took over from Greg Kopp as your President, so the last 2 years seems to have been a blur! We are on the verge of a new era with a whole new website being launched with a much better membership management system as this Newsletter goes to press. A special thanks to Board Member Steve Camposano for driving this with his usual vigor and passion. We will also have a new accounting system and it is time to say a huge thankyou to Steve Cai for acting as Secretary/Treasurer for over 10 years! We owe you a deep debt of gratitude for watching the money Dr Steve! I also want to thank retiring Board Members: Bill Coulbourne, David Prevatt and John Schroeder for their efforts over the last 2 years. In particular I want to send my appreciation to David Prevatt for his efforts in managing the arcane website and its PAYPAL system. Finally, I wish to acknowledge the sterling effort of Hector Cruzado our tireless Newsletter Editor and Dejiang Chen for acting as post-master general of email!

I wish you all a Happy New Year and extend my congratulations to Jon Galsworthy and his team of ongoing Board Members and those yet to be elected for the coming 2-year period of AAWE! **Please VOTE!**



AAWE Awards for 2017

The American Association for Wind Engineering is pleased to announce the following awards that will be presented at the America's Conference on Wind Engineering.

Richard Marshall Award

Description: The Richard Marshall Award recognizes the contributions to Wind Engineering from a distinguished AAWE Member for the best doctoral thesis related to experimental methods or field investigations. This prestigious award honoring a PhD in Wind Engineering from a University in the 'Americas Region' of the IAWE is presented every 4 years at the America's Conference on Wind Engineering. Award is accompanied by a certificate and a prize of \$1000.

Requirements

- Applicant must be an AAWE member in good standing
- Applicants must have satisfied all graduation requirements before March 1, 2017 or graduated after March 1, 2013.
- Applicant's PhD dissertation must be in a topic related to Wind Engineering.

Application

- Applicants should be nominated by their supervisor or someone familiar with their work
- Applicants should submit a 2 page resume and an extended summary of their dissertation (20 pages maximum) or a journal paper based on their work
- Applicants can be nominated for either the Richard Marshall Award or the Robert Scanlan Award, but not for both awards.
- Nominations/applications are due by March 1, 2017

Robert Scanlan Award

Description: The Robert Scanlan Award recognizes the contributions to Wind Engineering from a distinguished AAWE Member for the best doctoral thesis related to theoretical advances in the mechanics of wind or wind-structure interac-

tion. This prestigious award honoring a PhD in Wind Engineering from a University in the 'Americas Region' of the IAWE is presented every 4 years at the America's Conference on Wind Engineering. Award is accompanied by a certificate and a prize of \$1000.

Requirements

- Applicant must be an AAWE member in good standing
- Applicants must have satisfied all graduation requirements before March 1, 2017 or graduated after March 1, 2013.
- Applicant's PhD dissertation must be in a topic related to Wind Engineering.

Application

- Applicants should be nominated by their supervisor or someone familiar with their work
- Applicants should submit a 2 page resume and an extended summary of their dissertation (20 pages maximum) or a journal paper based on their work
- Applicants can be nominated for either the Richard Marshall Award or the Robert Scanlan Award, but not for both awards.
- Nominations/applications are due by March 1, 2017

Michael Gaus Distinguished Service Award

Description: The Michael Gaus Distinguished Service Award recognizes the contributions to Wind Engineering from a distinguished AAWE Member for involvement in AAWE activities, research, consulting, and outreach. This prestigious award honoring an individual is presented every 4 years at the America's Conference on Wind Engineering. Award is accompanied by a certificate and a prize of \$1000.

Requirements

- Applicant must be an AAWE member in good standing
- Applicants must have demonstrated significant contributions to the field of Wind Engineering for at least the 4 years preceding the

(Continued on page 7)

(Continued from page 6)

ACWE. In most cases such a contribution will extend back many more years.

Application

- Applicants should be nominated by a member of AAWE
- Applicants should submit a 2 page resume and a summary of their career highlight
- Nominations/applications are due by March 1, 2017

Best Journal Paper Award

Description: The Best Journal Paper Award recognizes the contributions to Wind Engineering from an AAWE Member for the best journal paper within the calendar year. This prestigious award honoring AAWE member(s) is presented annually, and awarded at the America's Conference on Wind Engineering and/or AAWE Workshop. Award is accompanied by a certificate and a prize of \$250.

Requirements

- Applicant must be an AAWE member in good standing, and half (a simple majority) of the authorship of the paper must be comprised of AAWE members in good standing.
- Applicant must have published a paper in a refereed journal within the calendar year, according to the DOI number of the publication.
- The journal paper must be in a topic related to Wind Engineering.

Application

- Applicants should submit a 1-2 page resume and a journal paper based on their work
- Applicants nominated for this award can also be nominated for either the Richard Marshall Award or the Robert Scanlan Award.
- Nominations/applications are due by January 31, 2017

Industry Innovation Award

Description: The Industry Innovation Award recognizes a distinguished AAWE Member or AAWE Corporate Member for their contribution or change to the practice of wind engineering or for their use of wind engineering to make a contribution to society. This prestigious award is presented every 4 years at the America's Conference on Wind Engineering. Award is accompanied by a plaque (no monetary prize).

Requirements

- Applicant or nominating person must be an AAWE member or corporate member in good standing.
- Applicants must have demonstrated significant contributions to the field of Wind Engineering in the 4 years preceding the ACWE.

Application

- Applicants should submit a 1-2 page resume and a summary of their work, which could be a product, development, facility, study, code change or other contribution.
- Applicants can be nominated or they can apply directly for this award.
- Nominations/applications are due by March 1, 2017

Please send all nominations/applications by email to the AAWE Awards Committee Chair:

Girma Bitsuamlak
Associate professor, Canada Research
Chair in Wind Engineering
Civil and Environmental Engineering/
WindEEE Research Institute
The University of Western Ontario
London, ON, Canada
gbitsuam@uwo.ca
519 6612111 x 88

AMERICAN
ASSOCIATION FOR
WIND ENGINEERING



Established in 1966

A professional organization dedicated to the advancement of the science and practice of Wind Engineering and the solution of national Wind Engineering problems through transfer of new knowledge into practice.

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www.bmtfm.com

Boundary Layer Wind Tunnel Laboratory, University of Western Ontario

www.blwtl.uwo.ca

Cermak Peterka Petersen, Inc.

www.cppwind.com

Insurance Institute for Business & Home Safety

www.disastersafety.org

I.F.I. Institute for Industrial Aerodynamics

www.ifi-aachen.de/en

National Wind Institute, Texas Tech University

www.wind.ttu.edu

Risk Management Solutions, Inc.

www.rms.com

Rowan Williams Davies & Irwin, Inc.

www.rwdi.com

SOH Wind Engineering LLC

www.sohwind.com

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www.wai.com

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letchc@rpi.edu

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