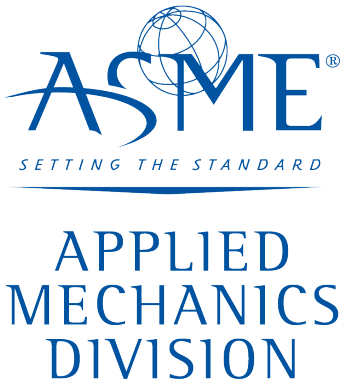


2025
International Mechanical Engineering Congress & Exposition

APPLIED MECHANICS DIVISION

Honors & Awards Banquet

Tuesday, November 18, 2025

Memphis, TN, USA

Narayana R Aluru

Presiding Chair, 2025-2026

Applied Mechanics Division

2024-2025 Executive Committee

Glaucio H. Paulino, Chair

Narayana R. Aluru, Vice-Chair

Samantha Daly, Program Chair

Yashashree Kulkarni, Program Vice-Chair

Francesco Pellicano, Secretary

2024 HONORS AND AWARDS COMMITTEES

THOMAS J. R. HUGHES YOUNG INVESTIGATOR AWARD COMMITTEE

Glaucio Paulino, Narayana Aluru, Sam Daly, Yashashree Kulkarni, Francesco Pellicano, Yonggang Huang, Yuri Bazilevs, Pradeep Guduru, Taher Saif, Marco Amabili

TED BELYTSCHKO APPLIED MECHANICS AWARD COMMITTEE

Glaucio Paulino, Narayana Aluru, Sam Daly, Yashashree Kulkarni, Francesco Pellicano, Yonggang Huang, Yuri Bazilevs, Pradeep Guduru, Taher Saif, Marco Amabili, Jian Cao, Arif Masud

ZDENĚK P. BAŽANT COMMITTEE

Glaucio Paulino, Narayana Aluru, Sam Daly, Yashashree Kulkarni, Francesco Pellicano, Yonggang Huang, Yuri Bazilevs, Pradeep Guduru, Taher Saif, Marco Amabili

THOMAS K. CAUGHEY DYNAMICS MEDAL COMMITTEE

Glaucio Paulino, Narayana Aluru, Sam Daly, Yashashree Kulkarni, Francesco Pellicano, Yonggang Huang, Yuri Bazilevs, Pradeep Guduru, Taher Saif, Marco Amabili

WARNER T. KOITER MEDAL COMMITTEE

Glaucio Paulino, Narayana Aluru, Sam Daly, Yashashree Kulkarni, Francesco Pellicano, Yonggang Huang, Yuri Bazilevs, Pradeep Guduru, Taher Saif, Marco Amabili, Vikram Deshpande

DANIEL C. DRUCKER MEDAL COMMITTEE

Glaucio Paulino, Narayana Aluru, Sam Daly, Yashashree Kulkarni, Francesco Pellicano, Yonggang Huang, Yuri Bazilevs, Pradeep Guduru, Taher Saif, Marco Amabili, Arun Shukla

TIMOSHENKO MEDAL COMMITTEE

Glaucio Paulino, Narayana Aluru, Sam Daly, Yashashree Kulkarni, Francesco Pellicano, Yonggang Huang, Yuri Bazilevs, Pradeep Guduru, Taher Saif, Marco Amabili, Mary Boyce, Guruswami Ravichandran

PROGRAM

WELCOME AND INTRODUCTION

RECOGNITION

SERVICE AWARD: Glaucio Paulino

JOURNAL OF APPLIED MECHANICS

Editor: Pradeep Sharma

Associate Editors, New Appointments:

Yinji Ma (Tsinghua)

Associate Editors who Completed Their Terms:
Caglar Oskay (Vanderbilt), Jizhou Song (Zhejiang), Jian Wu (Tsinghua)

Journal of Applied Mechanics Award:
Zhichao Fan, Hunan University

APPLIED MECHANICS REVIEWS

Editor: Yonggang Huang

Associate Editors, New Appointments:

Haleh Ardebili (UH), Yuhang Hu (Georgia Tech), C. Nataraj (Villanova), Jizhou Song (Zhejiang), Kun Zhou (NTU)

ASME FELLOWS (2025)

Amrinder Nain, Stefano Gonella, Francesco Lanza Di Scalea, Kiran Bhaganagar, Douglas Smith, Adam Engler

Robert M. and Mary Haythornthwaite Foundation Student Travel Awards

Riman Al-Aridi, Saquin Ahmad Bhuiyan, Aarosh Dahal, Omar M. Eldaly, Sahil Kamath, Afia Aziz Kona, Victor Riera Naranjo, Pratyush Kumar Singh, Guowei Wayne Tu

Robert M. and Mary Haythornthwaite Foundation Research Initiation Grants Awards

Vatsa Gandhi, Chase Hartquist, Junsoo Kim, Emily Sanders, Angkur Jyoti Dipanka Shaikeea

PRESENTATION OF AWARDS

PI TAU SIGMA (PTS) AWARDS

2025 Gustus L. Larson Memorial Award: Kejie Zhao

2025 Charles Russ Richards Memorial Award: Julio M. **Ottino**

APPLIED MECHANICS DIVISION (AMD) AWARDS

2025 Eshelby Mechanics Award for Young Faculty: Anna Tarakanova

2025 Thomas J. R. Hughes Young Investigator Award: Xiaojia Shelly Zhang

2025 Ted Belytschko Applied Mechanics Award: Nicolas Moës

2025 Zdeněk P. Bažant Medal: Huck Beng Chew

2025 Thomas K. Caughey Dynamics Medal: Balakumar Balachandran

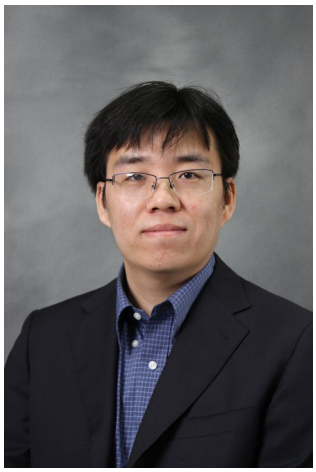
2025 Warner T. Koiter Medal: Jean-Baptiste Leblond

2025 Daniel C. Drucker Medal: Hanqing Jiang

2025 Stephen P. Timoshenko Medal: Norman Fleck

PI TAU SIGMA-ASME AWARD

Gustus L. Larson Memorial Award



Kejie Zhao

Professor of Mechanical Engineering,
University Faculty Scholar, Purdue University

Dr. Kejie Zhao is a Professor of Mechanical Engineering and University Faculty Scholar at Purdue University. He received his Ph.D. degree in Engineering Science in 2012 from Harvard University, and his bachelor's and master's degrees from Xi'an Jiaotong University in 2005 and 2008, respectively. He worked as a postdoctoral associate at MIT in 2012-2014. He joined the faculty at Purdue in 2014 and was promoted to Professor in 2023. His group focuses on chemomechanics of electrochemically active materials using experimentation and multi-scale modeling approaches. He is a recipient of the NSF CAREER Award, Extreme Mechanics Letters Young Investigator Award, 3M Non-tenured Faculty Award, Energy Storage Materials Young Scientist Award, J. W. Dally Young Investigator Award, A. J. Durelli Award, and B.F.S. Schaefer Scholarship. He is a fellow of ASME. He serves on the Board of Directors of Society of Engineering Science and is an Associate Editor of Applied Mechanics Reviews and a Technical Editor of Experimental Mechanics.

The Gustus L. Memorial Award, established in 1974, is presented for outstanding achievement in mechanical engineering, within ten to twenty years following graduation with a baccalaureate (bachelors) degree in Mechanical Engineering or related field. The award is bestowed for overall outstanding achievement in the mechanical engineering field during the set period of time.

PI TAU SIGMA-ASME AWARD

Charles Russ Richards Memorial Award

Julio M. Ottino

Robert R. McCormick Institute Professor
Walter P. Muphy Professor
Chemical and Biochemical Engineering
Professor Mechanical Engineering (courtesy)
McCormick School of Engineering and Applied Science
Northwestern University, Evanston, IL

Julio Mario Ottino is R.R. McCormick Institute Professor and W.P. Murphy Professor of Chemical and Biological Engineering with a courtesy appointment in Mechanical Engineering and a Professorship in the Department of Management and Organizations at the Kellogg School of Management in Northwestern University. Recognized as the world leader in the mixing of fluids and granular matter, his research spans fluid dynamics, granular systems, complex systems as well as creativity and leadership. His seminal book *The Kinematics of Mixing: Stretching, Chaos, and Transport,* is a classic in the field.

He was the founder and co-director of NICO (Northwestern Institute on Complex Systems). In his role as dean of engineering and applied science at Northwestern, Ottino established groundbreaking initiatives in design, entrepreneurship, and interdisciplinary programs linking business, design, and computer science, and created many research centers including Synthetic Biology, Computer Science and Learning Sciences, Engineering Sustainability and Resilience, Human-Computer Interaction + Design, and many more.

Ottino is a Guggenheim Fellow and member of the National Academy of Engineering, National Academy of Sciences, and the American Academy of Arts and Sciences. His honors include the American Institute of Chemical Engineers' Founders Award, William H. Walker Award, Alpha Chi Sigma Award, and its 62nd Institute Lecture, as well as recognition as one of the “One Hundred Engineers of the Modern Era.” The American Physical Society awarded him with the Fluid Dynamics Prize and the Society of Engineering Science honored him with the G.I. Taylor Medal.

In 2017 he received the Bernard M. Gordon Prize for Innovation in Engineering and Technology from the National Academy of Engineering for pioneering "whole-brain engineering" – integrating analytical thinking with creativity through design, entrepreneurship, and leadership. In 2024, he delivered the Albert Michelson Memorial Lecture at the United States Naval Academy (USNA), which honors the USNA graduate who became the first Nobel Prize in Science in the US.

His 2022 MIT Press book *The Nexus*, exploring creativity and innovation at the intersection of art, technology, and science, won the 2023 PROSE Award from the Association of American Publishers.

The Charles Russ Richards Memorial Award, established in 1944 by Pi Tau Sigma in coordination with ASME, is presented to an engineering graduate who has demonstrated outstanding achievement in mechanical engineering twenty years or more following graduation with a baccalaureate degree. The award is bestowed for overall outstanding achievement in the mechanical engineering field during the set period of time.

Eshelby Mechanics Award for Young Faculty

Anna Tarakanova

Associate Professor
School of Mechanical, Aerospace, and Manufacturing Engineering
Department of Biomedical Engineering
University of Connecticut

For pioneering contributions to multiscale modeling and mechanics of biological materials and tissues, combining theory, simulations and experiments, and sustained service to the mechanics community.

Anna Tarakanova is an Associate Professor at the University of Connecticut. She joined the School of Mechanical, Aerospace, and Manufacturing Engineering in 2018 and holds a courtesy appointment in the Department of Biomedical Engineering. She received her BS in Applied and Engineering Physics from Cornell University, and her MS and PhD in Civil and Environmental Engineering from the Massachusetts Institute of Technology. Tarakanova is the recipient of the NSF CAREER Award, the InCHIP Junior Faculty Research Excellence Award, the University of Connecticut Excellence in Research and Creativity Early Career Award, the CT Women of Innovation Award, and the Mara H. Wasburn Early Engineering Educator Award. Her research integrates molecular, multiscale, and data-driven modeling to investigate the structure–function relationships and mechanics of complex biological materials. She has advanced computational frameworks that reveal how extracellular matrix proteins—particularly elastin and collagen—govern tissue elasticity, durability, and failure in the context of aging and disease. Her group's work bridges molecular-scale mechanisms with tissue-level function, providing insights into arterial stiffening, bone fragility, and protein modification in aging. Beyond fundamental discoveries, Tarakanova's models have been used to repurpose biomolecules for new applications, such as enhancing thermal stability, resilience, and immunogenicity, thereby informing both biomedical and materials innovation.

The Eshelby Mechanics Award for Young Faculty, launched in 2012, is given annually to rapidly emerging junior faculty who exemplify the creative use and development of mechanics. The intent of the award is to promote the field of mechanics, especially among young researchers, and commemorate the memory of Professor John Douglas Eshelby. While interdisciplinary work that bridges mechanics with physics, chemistry, biology and other disciplines is encouraged, the ideal awardee will demonstrate clear inspiration from mechanics in his or her research.

Thomas J. R. Hughes Young Investigator Award

Xiaojia Shelly Zhang

David C. Crawford Faculty Scholar and Associate Professor
Department of Civil and Environmental Engineering
Department of Mechanical Science and Engineering
University of Illinois at Urbana Champaign, Urbana, IL

For contributions to inverse design methods, mechanics, and fabrication strategies to discover programmable materials and structures with multiphysics interactions.

Xiaojia Shelly Zhang is the David C. Crawford Faculty Scholar and Associate Professor in the Department of Civil and Environmental Engineering at the University of Illinois at Urbana-Champaign. She also holds affiliate appointments at the Department of Mechanical Science and Engineering and the National Center for Supercomputing Applications. She received both the B.S. (Honors) degree and the M.S. degree in Structural Engineering at University of Illinois at Urbana Champaign with Computational Science and Engineering Diploma, and her Ph.D. degree in Structural Engineering from Georgia Institute of Technology. She joined the University of Illinois at Urbana Champaign as an Assistant Professor in 2019.

Her research interests are in the areas of multiphysics topology optimization, inverse design, data-driven models, and 3D/4D printing. Her research focuses on creating optimization theories, computational algorithms, and fabricating techniques to design, optimize, and physically realize multi-functional, sustainable, and programmable materials and systems to enable applications in metamaterials, civil infrastructure, robotics, and biomedical devices.

She is the recipient of the National Science Foundation CAREER Award, the ASME Journal of Applied Mechanics Award, the DARPA Young Faculty Award, the AFOSR Young Investigator Award, the EMI Leonardo da Vinci Award from ASCE, University of Illinois Dean's Award for Excellence in Research, University of Illinois Dean's Award for Early Innovation, the DARPA Director's Fellowship, UIUC Campus Distinguished Promotion Award, the Henry Hess Early Career Publication Award from ASME, and the Haftka Young Investigator Award from International Society for Structural and Multidisciplinary Optimization. She serves on the Executive Committee of the International Society of Structural and Multidisciplinary Optimization and as the Chair of USACM Technical Thrust Area on Large Scale Structural Systems and Optimal Design. She is an Associate Editor for the Journal of Applied Mechanics and a Review Editor for the Journal of Structural and Multidisciplinary Optimization.

The Young Investigator Award was established in 1998 and renamed the Thomas J.R. Hughes Young Investigator Award in 2008. The award recognizes special achievements in applied mechanics for researchers who have not reached their 41st birthday by December 31st of the year of the awards presentation.

Ted Belytschko Applied Mechanics Award

Nicolas Moës

Professor, Institute of Mechanics, Materials, and Civil Engineering
Université catholique de Louvain (UCLouvain)
Louvain-La-Neuve, Belgium

For fundamental contributions in the area of computational mechanics in the modeling of fixed and moving interfaces as cracks, material interfaces and contact fronts.

Nicolas Moës is Full Professor at UCLouvain (Université catholique de Louvain), where he is associated with the Institute of Mechanics, Materials and Civil Engineering (iMMC). After completing his engineering degree at the University of Liège, Belgium, he obtained his Ph.D. (1996) at Ecole Normale Supérieure de Cachan, France, under the guidance of Pierre Ladevèze. Before his current job at UCLouvain, he has been a professor at the Ecole Centrale of Nantes in France for more than twenty years.

Nicolas Moës is particularly renowned for his work on crack propagation, damage mechanics, and contact problems. Among his key contributions is co-inventing the extended finite element method (X-FEM), which enables the numerical modelling of cracks that evolve through a mesh without needing to remesh along the crack path. More recently, his work has been devoted to another new approach coined X-MESH in which the mesh can be extremely deformed to surprinsingly improve the simulations quality. This work is funded by an ERC Synergy grant co-promoted by Jean-François Remacle.

Professor Moës has been honoured with several prestigious awards recognising his scientific impact. He is a member of the French Academy of Sciences, doctor honoris causa from the Liège University and has received the CNRS Silver Medal (2014). He was also named a Fellow of the International Association for Computational Mechanics. In 2019, he was awarded the ONERA Award (Institut de France, Académie des Sciences).

Beyond his research, Moës contributes to academic leadership and supervises graduate students, teaching courses in finite element methods, fracture mechanics, damage modelling, and computational mechanics. His work bridges theoretical development and applications in engineering, helping both to advance fundamental mechanics and to address practical challenges in modelling failure, material damage, and complex contact interfaces.

The Applied Mechanics Award was established in 1988 and renamed the Ted Belytschko Applied Mechanics Award in 2008. The award is given to an outstanding individual for significant contributions in the practice of engineering mechanics; contributions may result from innovation, research, design, leadership or education.

Zdeněk P. Bažant Medal

Huck Beng Chew

Professor
Department of Aerospace Engineering
University of Illinois Urbana-Champaign, Urbana, IL

For pioneering contributions in the nano- and micromechanics of materials through the development of novel scale-bridging tools, leading to continuum-level understanding of mechanistic processes and the bridging of fundamental science to real-world engineering applications.

Huck Beng Chew is a Professor of Aerospace Engineering at the University of Illinois Urbana-Champaign. He received his Ph.D. in mechanical engineering from the National University of Singapore in the year 2007. Subsequent to his doctoral degree, he was a Postdoc and a Research Assistant Professor at Brown University. He joined the aerospace engineering department at the University of Illinois Urbana-Champaign in the year 2011, where he now serves as Associate Head and Director of Graduate Studies.

His research interests and contributions span a myriad of scales and emphasizes the mechanistic understanding of fundamental deformation, fracture and failure processes for predictive engineering performance of a range of materials such as nanolayers, nanocomposites, grain boundaries, battery electrodes, 2D materials, and thermal ablators.

He received the Dean's Award for Excellence in Research, is Fellow of the Institute of Mechanical Engineers, and a registered Chartered Engineer and Chartered Environmental Engineer. He is also an Associate Editor for the Journal of Mechanical Engineering Science. He has served as Chair of the ASME Fracture and Failure Mechanics technical committee and serves on the Executive Committee of the ASME Materials Division.

The Zdeněk P. Bažant Medal was established in 2022 by the Applied Mechanics Division and recognizes an individual who has made significant contributions to the field of mechanics through research, practice, teaching and/or outstanding leadership.

Thomas K. Caughey Dynamics Medal

Balakumar Balachandran

Distinguished University Professor and Minta Martin Professor
Department of Mechanical Engineering
University of Maryland, College Park, MD

For groundbreaking experimental, computational, and analytical work on the dynamics of nonlinear mechanical systems subjected to random noise disturbances.

Dr. Balachandran received his B. Tech (Naval Architecture) from the Indian Institute of Technology, Madras, India, M.S. (Aerospace Engineering) from Virginia Tech, Blacksburg, VA and Ph.D. (Engineering Mechanics) from Virginia Tech. Currently, he is a Distinguished University Professor and a Minta Martin Professor at the University of Maryland, where he has been since 1993. His research interests include applied physics, applied mechanics, applied mathematics, nonlinear phenomena, dynamics and vibrations, and control. The publications that he has authored/co-authored include a Wiley textbook entitled "Applied Nonlinear Dynamics: Analytical, Computational, and Experimental Methods" (1995, 2004), a Thomson/Cengage textbook (2004, 2009) and a Cambridge University Press textbook (2019) entitled "Vibrations," and a co-edited Springer book entitled "Delay Differential Equations: Recent Advances and New Directions" (2009). He holds four U.S. patents and one Japan patent, three related to fiber optic sensors and two related to atomic force microscopy. He has served as the Editor of the *ASME Journal of Computational and Nonlinear Dynamics*, a Contributing Editor of the *International Journal of Non-Linear Mechanics*, and a Deputy Editor of the *AIAA Journal*.

He is an *ASME Fellow*, an *AIAA Fellow*, an *Honorary Fellow of the Royal Aeronautical Society*, an *ASA* full member, and an *IEEE* Senior Member. He is a recipient of the *ASME Melville Medal*, the *Den Hartog Award*, & the *Lyapunov Award*, the ASCE Engineering Mechanics Institute *Robert Scanlan Medal*, and the AIAA *Pendray Aerospace Literature Award*. He has served as the Chair of the Department of Mechanical Engineering at the University of Maryland and the Chair of the Executive Committee of the Applied Mechanics Division of the ASME.

The Thomas K. Caughey Dynamics Award was established in 2008 and is conferred in recognition of an individual who has made significant contributions to the field of nonlinear dynamics through practice, research, teaching, and/or outstanding leadership.

Warner T. Koiter Medal

Jean-Baptiste Leblond

Emeritus Professor
Institut Jean Le Rond d'Alembert
Sorbonne Universite, Paris, France
Member of the French Academy of Sciences

For numerous and important analytical and numerical contributions to the field of fracture mechanics, in both brittle and ductile materials, permitting to predict propagation of cracks (and especially crack paths) in complex structures, with applications to industrial situations.

Born in 1957, Jean-Baptiste Leblond studied physics in Ecole Normale Superieure and Universite Pierre et Marie Curie, where he got his PhD in 1984. He then switched to mechanics of deformable solids. He became Associate Professor at Ecole Polytechnique in 1985, then Full Professor at Universite Pierre et Marie Curie (now part of Sorbonne Universite) in 1988. He was elected a Corresponding Member in 1997, and a full Member in 2005, of the Academie des Sciences, Section des Sciences Mecaniques et Informatiques. He became an Emeritus Professor at Sorbonne Universite in 2021, but continues his research activities in this new position. In addition, he has always pursued, since the beginning of his career, close cooperations with the mechanical and metallurgical industries.

He is best known for his works on transformation plasticity of metals and alloys, brittle fracture and ductile fracture, but his research interests also include phase transformations of steels, finite element simulations of thermomechanical treatments (welding, quenching, tempering), problems of nonlinear diffusion in solids (including internal oxidation of metals and alloys), and advanced numerical methods in solid mechanics.

The Warner T. Koiter Medal, established in 1996, is bestowed in recognition of distinguished contributions to the field of solid mechanics with special emphasis on the effective blending of theoretical and applied elements of the discipline, and on a high degree of leadership in the international solid mechanics community.

Daniel C. Drucker Medal

Hanqing Jiang

Chair Professor of Mechanical Engineering
Westlake University, Hangzhou, Zhejiang
China

For pioneering studies of origami-based mechanical metamaterials and devices and exemplary service to the engineering communities through the ASME and extensive editorial work.

Hanqing Jiang is a Chair Professor of Mechanical Engineering at Westlake University, China. Before joining Westlake in June 2021, he was a faculty member in Mechanical Engineering at Arizona State University from 2006 to 2021. He earned his Ph.D. in Solid Mechanics from Tsinghua University in 2001.

His research focuses on origami- and kirigami-based mechanical metamaterials for robotics and human-machine interactions, lithium-metal batteries, and unconventional electronics.

He has authored five book chapters and over 150 peer-reviewed journal papers. He was elected an ASME Fellow in 2016, a member of the European Academy of Sciences and Arts in 2024, and a member of the European Academy of Sciences in 2024. He currently serves as Chair of the Executive Committee of the ASME Materials Division and was President of the Society of Engineering Science in 2022. His selected honors include an NSF CAREER Award (2009), the ASME Worcester Reed Warner Medal (2021), and the Yonggang Huang Engineering Science Medal (2025). He serves on the editorial board of several journals, including associate editor of Science Advances, and editor of Extreme Mechanics Letters.

The Daniel C. Drucker Medal was established in 1997 and is conferred in recognition of distinguished contributions to the field of applied mechanics and mechanical engineering through research, teaching, and service to the community over a substantial period of time.

Stephen P. Timoshenko Medal

Norman Fleck

Professor of Mechanics of Materials,
Cambridge University Engineering Dept.,
Cambridge, UK

For seminal contributions to mechanics of materials including non-local theories, multi-phase lattices, coupled solids and high-performance composites with direct engineering implications for important areas of application including aeroengines and defense.

Norman Fleck is Professor of Mechanics of Materials at Cambridge University Engineering Dept., Cambridge UK. He received his Ph.D. in Engineering from Cambridge University in the year 1984. Subsequent to his doctoral degree, he was a research fellow at Pembroke College, Cambridge and worked with K L Johnson on metal rolling theory, and was then a Lindemann Trust Fellow, working with John Hutchinson at Harvard University. He joined Cambridge University Engineering Dept. as a lecturer in 1985, and became a full Professor of Mechanics of Materials in 1997. A guiding philosophy in his research has been to condense practical engineering design problems into fundamental problems in mechanics, then generate constitutive models and implement them within finite element code. Examples are the compressive failure of engineering composites by plastic microbuckling, the coupled electro-mechanical switching of ferroelectric devices, fatigue life prediction, the mechanics of metal rolling of thin foil, size effects in plasticity effects from hardness testing to cleavage at crack tips, and more recently coupled electro-mechanical phenomena in solid state lithium ion batteries.

Norman Fleck is a member of the US National Academy of Engineering, and a Fellow of both the London Royal Society and the Royal Academy of Engineering. He has been awarded the ASME Charles R. Russ medal and Koiter medal. He was President of the International Union of Theoretical and Applied Mechanics 2000-2004, and is currently Vice President.

The Timoshenko Medal was established in 1957 and is conferred in recognition of distinguished contributions to the field of applied mechanics. Instituted by the Applied Mechanics Division, it honors Stephen P. Timoshenko, world-renowned authority in the field, and it commemorates his contributions as author and teacher.

Past Honorees

Thomas J.R. Hughes Young Investigator Award

2025	Xiaojia Shelly Zhang
2024	Diego Misseroni
2023	Cunjiang Yu
2022	Nanshu Lu Shawn A. Chester
2021	Sinan Keten
2020	Xuanhe Zhao
2019	Yihui Zhang
2018	Liping Liu Dennis Kochman
2017	José Andrade
2016	Pedro Reis
2015	Vicky (Thao) Nguyen
2014	Katia Bertoldi Ryan Eliott
2012	Yuri Bazilevs Xi Chen Kenji Takizawa
2011	Markus Buehler Ioannis Chasiotis
2010	Harley T. Johnson
2009	Pradeep Sharma
2008	Chad M. Landis
2007	Assad Oberai
2006	Jian Cao
2005	L. Mahadevan G. Haller
2004	Kaushik Bhattacharya
2003	L. Cate Brinson
2002	None Presented
2001	Zhigang Suo
2000	Pedro Ponte-Castaneda
1999	Huajian Gao
1998	Mary C. Boyce

Ted Belytschko Applied Mechanics Division Award

2025	Nicolas Moës
2024	Xue Feng
2023	Jian Cao
2022	Arif Masud
2021	Ellen Kuhl
2020	Narayana R. Aluru
2019	Somnath Ghosh
2018	Tayfun Tezduyar
2017	Jiun-Shyan (J.S.) Chen
2016	Andrea Prosperetti
2015	James Barber
2014	Glaucio H. Paulino
2013	Gui-Rong Liu
2012	Jiun-Shyan (J.S.) Chen
2011	David K. Gartling Ken P. Chong
2010	Yoichiro Matsumoto
2009	Eugenio Oñate
2008	Choon Fong Shih
2007	Oscar Dillon
2006	Lewis T. Wheeler
2005	Carl T. Herakovich
2004	Arthur W. Leissa
2003	John O. Hallquist
2002	David E. Newland
2001	Dan Mote
2000	Dick MacNeal
1999	Karl Pister
1998	John Swanson
1997	Richard Skalak
1996	Sheila Widnall
1995	Harry Armen
1994	Siegfried S. Hecker
1993	David Hibbit
1992	William G. Gottenberg
1991	George Abrahamson
1990	Owen Richmond
1989	Sam Levy
1988	H. Norman Abramson

Thomas K. Caughey Dynamics Medal

2025 Balakumar Balachandran
2024 Friedrich Pfeiffer
2023 Haiyan Hu
2022 Earl Dowell
2021 Michael P. Paidoussis

Thomas K. Caughey Dynamics Award

2020 Pol D. Spanos
2019 Anil K. Bajaj
Steven W. Shaw
2018 Firdaus Udwadia
2017 Richard H. Rand
2015 Gabor Stepan
2014 Alexander F. Vakakis
2013 Lothar Gaul
2012 Francis C. Moon
2011 Philip Holmes
2010 Jerrold E. Marsden
2009 Stephen H. Crandall
2008 Ali H. Nayfeh

Daniel C. Drucker Medal

2025 Hanqing Jiang
2024 Pradeep Sharma
2023 Arun Shukla
2022 Horacio D. Espinosa
2021 Markus J. Buehler
2020 Glaucio H. Paulino
2019 John Bassani
2018 David M. Barnett
2017 David Parks
2016 Kyung-Suk Kim
2015 Krishnaswamy Ravi-chandar
2014 Lallit Anand
2013 Yonggang Huang
2012 James W. Dally
2011 John W. Rudnicki
2010 Rohan Abeyaratne
2009 James R. Barber
2008 Thomas C.T. Ting
2007 Albert S. Kobayashi
2006 Alan Needleman
2005 Robert L. Taylor
2004 Frank A. McClintock
2003 Leon M. Keer
2002 George J. Dvorak
2001 Bruno A. Boley
2000 Philip G. Hodge, Jr.
1999 Ascher H. Shapiro
1998 Daniel C. Drucker

Warner T. Koiter Medal

2025 Jean-Baptiste Leblond
2024 H. Jerry Qi
2023 Yiu-Wing Mai
2022 Vikram Deshpande
2021 Gerhard A. Holzapfel
2020 Anthony M. Waas
2019 K. T. Ramesh
2018 M. Taher A. Saif
2017 Wei Yang
2016 Pedro Ponte Castañeda
2015 Kaushik Bhattacharya
2014 Guruswami Ravichandran
2013 Norman A. Fleck
2012 Erik Van der Giessen
2011 James G. Simmonds
2010 Nicolas Triantafyllidis
2009 Stelios Kyriakides
2008 Richard D. James
2007 C.T. Sun
2006 Pierre Suquet
2005 Raymond W. Ogden
2004 Zenon Mróz
2003 David R.J. Owen
2002 James K. Knowles
2001 Wolfgang G. Knauss
2000 Giulio Maier
1999 Charles R. Steele
1998 Viggo Tvergaard
1997 Warner T. Koiter

Zdeněk P. Bažant Medal

2025 Huck Beng Chew
2024 Yong Zhu

Timoshenko Medal

2025 Norman Fleck
2024 Pierre M. Suquet
2023 Guruswami Ravichandran
2022 Michael A. Sutton
2021 Huajian Gao
2020 Mary C. Boyce
2019 J. N. Reddy
2018 Ares J. Rosakis
2017 Viggo Overgaard
2016 Raymon W. Ogden
2015 Michael Ortiz
2014 Robert M. McMeeking
2013 Richard M. Christensen
2012 Subra Suresh
2011 Alan Needleman
2010 Wolfgang G. Knauss
2009 Zdenek P. Bazant
2008 Sia Nemat-Nasser
2007 Thomas J.R. Hughes
2006 Ken L. Johnson
2005 Grigory I. Barenblatt
2004 Morton E. Gurtin
2003 Lambert B. Freund
2002 John W. Hutchinson
2001 Ted Belytschko
2000 Rodney J. Clifton
1999 Anatol Roshko
1998 Olgierd C. Zienkiewicz
1997 John R. Willis
1996 J. Tinsley Oden
1995 Daniel D. Joseph
1994 James R. Rice
1993 John L. Lumley
1992 Jan D. Achenbach
1991 Yuan-Cheng B. Fung
1990 Stephen H. Crandall
1989 Bernard Budiansky
1988 George K. Batchelor
1987 Ronald S. Rivlin
1986 George R. Irwin
1985 Eli Sternberg
1984 Joseph B. Keller
1983 Daniel C. Drucker
1982 John W. Miles
1981 John H. Argyris
1980 Paul M. Naghdi
1979 Jerald L. Ericksen
1978 George F. Carrier
1977 John D. Eshelby
1976 Erastus H. Lee
1975 Chia-Chiao Lin
1974 Albert E. Green
1973 Eric Reissner
1972 Jacob P. Den Hartog
1971 Howard W. Emmons
1970 James J. Stoker
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