



# AWARDS PROGRAM

ASME International Gas Turbine Institute

# THE AWARDS

**2023**

ASME R. Tom Sawyer Award

**2021**

ASME Gas Turbine Award

**2021**

John P. Davis Award

**2023**

Dedicated Service Award

**2023**

Scholar Award

**2023**

ASME IGTI Aircraft Engine Technology Award

**2023**

ASME IGTI Industrial Gas Turbine Technology Award

**2023**

ASME IGTI Dilip R. Ballal Early Career Engineer Award

# AWARD COMMITTEES



## Honors & Awards Committee

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William T. Cousins

CHAIR



## Aircraft Engine Technology Award Committee

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Konstantinos Kyprianidis

CHAIR



## Industrial Gas Turbine Technology Award Committee

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John Gülen

CHAIR

# 2023

## ASME R. Tom Sawyer Award

Awarded to an individual who has made important contributions to advance the purpose of the gas turbine industry and the ASME International Gas Turbine Institute over a substantial period of time. The contribution may be in any area of Institute activity but must be marked by sustained forthright efforts.



### **Dr. Karen A. Thole**

*Distinguished Professor  
Pennsylvania State University*

Karen A. Thole is a Distinguished Professor of Mechanical Engineering at the Pennsylvania State University where she is the Director of the Steady Thermal Aero Research Turbine (START) Lab, which focuses on advancing gas turbine research for power generation and for sustainable aviation propulsion. The START Lab houses the National Experimental Turbine (NEXT), which was designed through a collaboration between the Department of Energy and several gas turbine manufacturers serving as a testbed for advancing turbine technologies.

Dr. Thole's expertise is in gas turbine heat transfer, aerodynamics and advanced manufacturing methods and has published over 300 archival papers and advised 80 dissertations and theses. She has served on several advisory boards including NASA's National Aerospace Committee and the U.S. Air Force Scientific Advisory Board. She has been a member of several National Academy of Engineering studies on advancing gas turbine technologies and manufacturing. Dr. Thole is the co-founder and Director of the Engineering Ambassador Network composed of over 35 U.S. institutions in which undergraduate engineering students inspire k-12 students through communicating the excitement of engineering. Dr. Thole previously served as the Department Head of Mechanical Engineering at Penn State in which she grew the department's faculty and research diversity.

# 2021

## ASME Gas Turbine Award

The Gas Turbine Award was established in 1963 to be given in recognition of an outstanding contribution to the literature of combustion gas turbines or gas turbines thermally combined with nuclear or steam power plants.

### RECEIVING THE 2021 GAS TURBINE AWARD FOR THEIR PAPER

*"Effects of Surface Waviness on Fan Blade Boundary Layer Transition and Profile Loss - Part 1: Methodology and Computational Results"*



### Jinwook Lee

*Space Exploration Technologies Corp.*

Jinwook Lee is a Senior Turbomachinery Engineer in the Raptor group at Space Exploration Technologies Corp. (Space X). Dr. Lee received his B.S. in Mechanical and Aerospace Engineering from Seoul National University in South Korea, where he graduated summa cum laude in 2013. He earned his S.M. in Aeronautics and Astronautics and Ph.D. in Air-Breathing Propulsion from Massachusetts Institute of Technology (MIT) in 2015 and 2019, respectively. Since 2020, Dr. Lee has been working for SpaceX, primarily focusing on inducer hydrodynamics and structural reliability. He is currently leading the advanced inducer development for Raptor turbopump.



### Zoltán S. Spakovszky

*Massachusetts Institute of Technology*

Dr. Spakovszky is the T. A. Wilson Professor of Aeronautics and Astronautics at the Massachusetts Institute of Technology and the director of the Gas Turbine Laboratory. He obtained his Dipl. Ing. degree in Mechanical Engineering from the Swiss Federal Institute of Technology (ETH) Zürich and his MS and Ph.D. degrees in Aeronautics and Astronautics from MIT. Dr. Spakovszky's principal fields of interest include propulsion and energy conversion, internal flows in fluid machinery, compressor aerodynamics and stability, micro-fluidics and rotordynamics, aero-acoustics, aircraft design for environment, and electrified aviation. He currently directs analytical and experimental research in these areas and teaches graduate and undergraduate courses in thermodynamics, propulsion and fluid mechanics, and aero-acoustics.

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## Edward M. Greitzer

*Gas Turbine Laboratory  
Massachusetts Institute of Technology*

Edward M. Greitzer is H. N. Slater Professor of Aeronautics and Astronautics at MIT, where he has been Gas Turbine Laboratory Director and Interim Department Head. He received BA, SM and PhD degrees from Harvard University. Prior to joining MIT he was with United Technologies Corporation (UTC, now Raytheon Technologies). More recently, on leave, he was Director, Aeromechanical, Chemical, and Fluid Systems at UTRC. His research includes gas turbines, turbomachinery, propulsion system-airframe integration, active control of fluid systems, vortex flows, and industry-university collaboration.



## Mark Drela

*Dept. of Aeronautics and Astronautics  
Massachusetts Institute of Technology*

Mark Drela's research interests include: low speed and transonic aerodynamics, design and performance of aircraft and aeromechanical devices, computational aerodynamic design methodology. He has developed a number of computational aerodynamic design/analysis codes currently being used in the aircraft and gas turbine industry. He has also developed tools for analysis and design of control systems for highly aeroelastic aircraft. He teaches aircraft design fundamentals, external aerodynamics, and fluid mechanics of boundary layers at the undergraduate and graduate levels. He is currently the Editor-in-Chief of the Journal of Aircraft (AIAA).



## Jérôme Talbotec

*Dept. of Aeronautics and Astronautics  
Massachusetts Institute of Technology*

I attained a degree in mechanical engineering from INSA Hauts de France (Valenciennes, France) with a specialization in Fluid Mechanics & Energetics in 1988. I joined SNECMA-SAFRAN in 1989 as a fan aerodynamic design engineer, and then was nominated as aero team leader for different tests and design projects. I was appointed Fan & LP Compressor aerodynamics expert in 2009. I have been involved since 2005 in various R&T projects (VITAL, DREAM, ENOVAL, COBRA). Today I am acting as a principal expert for transverse R&T projects (Fan-Propeller-LP compressor Aerodynamics).

# 2021

## John P. Davis Award

Awarded to a paper that focuses on new or continuing gas turbine applications, identifies planning, installation, operating and/or maintenance problems and their solutions, and exemplifies candid exposure of real-world problems and solutions.

RECEIVING THE 2021 JOHN P. DAVIS AWARD FOR THEIR PAPER

*"Turbine Inlet Temperature Measurements in a T8200 kw Gas Turbine Using Water Vapor Emission."*



### Dale Tree

*Professor and Chair of Mechanical Engineering  
Brigham Young University*

Dale Tree has a BS from BYU, an MS from Purdue and a PhD in Mechanical Engineering from the University of Wisconsin-Madison. He has been working at Brigham Young University for the past 29 years.



### Darrel Zeltner

*Performance Engineer  
Solar Turbines*

Darrel has been working at Solar Turbines for over 11 years, where he has gained extensive experience in turbine design, operability, maintenance, and technology development, with a particular focus on modeling methods and transient modeling.



### Mohsen Rezasoltani

*Principal Engineer  
Solar Turbines*

Mohsen Rezasoltani is currently Performance technical lead for Titan 130, NPI programs and European Grid code project (Titan 130 is the best-selling Solar Turbines products). He has a keen interest in the field of turbomachinery (Performance, aerodynamic and heat transfer).

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# 2023

## ASME Dedicated Service Award

The ASME Dedicated Service Award honors unusual dedicated voluntary service to the Society marked by outstanding performance, demonstrated effective leadership, prolonged and committed service, devotion, enthusiasm and faithfulness.



### **Professor Ricardo Martinez-Botas**

*Professor of Turbomachinery  
Imperial College*

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Ricardo is Professor of Turbomachinery at Imperial College and leads the Turbo Group – a recognised centre of excellence in turbocharging, hybridisation, and exhaust gas energy recovery. He is Director of the Mitsubishi Heavy Industries-Imperial Future of Boosting Innovation Centre and Co-Directs Locartic an exciting initiative with the Universiti Teknologi Malaysia. Collaborations have enabled partners to extend their research capabilities and apply knowledge to real industry challenges, such as an award-winning new turbine concept that improves engine level fuel economy.



### **Natalie R. Smith**

*Group Leader  
Southwest Research Institute*

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Dr. Natalie Smith is a Group Leader in the Machinery Department at Southwest Research Institute. Her research experience includes aerodynamic design and testing of turbomachinery and advanced system analysis for programs related to power generation, aviation, oil & gas and energy storage both in academia and industry. She is a demonstrated leader in energy storage in which she has designed and operated first-of-kind laboratory-scale facilities. She served as the Conference Chair for Turbo Expo 2023. Finally, she teaches thermodynamics at a local university, coaches a high school mountain bike team, and holds two national titles in mountain biking.

# 2023

## IGTI Scholar Award

The International Gas Turbine Institute Scholar Award is bestowed upon an individual who submits a learned and comprehensive paper that makes a significant and timely contribution to the science and practice of gas turbine engineering. The Scholar presents the award-winning paper as a lecture to an audience of his peers.



### **Dr. Rakesh K. Bhargava**

*Founder & President*

*Innovative Turbomachinery Technologies Corp.*

Dr. Bhargava is Founder and President of Innovative Turbomachinery Technologies, a company providing innovative engineering solutions in areas of turbomachinery and packaged equipment used in offshore, refinery, power generation, and pipeline industries. For over four decades, he has been involved in various aspects of turbomachinery including research, development, applications, reviewing fabrication and assembly of rotating machinery, factory acceptance testing, field problems resolution, failure analysis, inspection of repairs and rejuvenation of gas and steam turbine components, and technical expertise in commercial litigations involving turbomachines. He has given numerous invited lectures on gas turbine technologies around the world and has offered courses on cogeneration and combined cycle systems and gas turbine power augmentation technologies for practicing engineers on behalf of the ASME/IGTI. He has published more than 80 technical papers and reports, some of them have been selected as Best Papers in ASME/IGTI Conferences and published in international journals including one paper recognized with 2015 ASME/IGTI John P. Davis Award. He is a recipient of various awards including 2009 Dean W. R. Woolrich Engineer of the Year Award (ASME/STS), ASME Dedication Award (2012), and 2014 Alan J. Chapman Award (ASME/STS). He has written the World's first technical dictionary on the gas turbine technology. He is a Fellow and Associate Fellow of ASME and AIAA, and has served as an Associate Editor of the ASME Journal of Engineering for Gas Turbines and Power. Currently, he is an Associate Editor of the ASME Open Journal of Engineering. He has served as Chair of the Industrial & Cogeneration and Oil & Gas Applications committees including the first Chair of the Council of Chairs. Dr. Bhargava graduated with honors in Aeronautical Engineering from Punjab Engineering College, Chandigarh, MS in Mechanical Engineering with specialization in turbomachinery from the Indian Institute of Technology, Madras, and Ph. D. in Mechanical Engineering from the City University of New York.

# 2023

## Aircraft Engine Technology Award

For outstanding contribution to air breathing propulsion through inspiring leadership, education, and research having major impacts on aircraft engine operational capability, performance, and design.



### **Anestis Kalfas**

*Professor of Fluid Mechanics and Turbomachinery, the  
Department of Mechanical Engineering  
The Aristotle University of Thessaloniki*

Anestis Kalfas received his PhD in Turbomachinery Aerodynamics from Cranfield University in 1994 and his Dipl.-Ing. Mech. Eng. Aristotle University of his native Thessaloniki. He worked as a Research Associate at the Whittle Lab., University of Cambridge and as an Aircraft Engineer at the Air Force. He has been a Senior Scientist and Lecturer at the Turbomachinery Laboratory of the Swiss Federal Institute of Technology in Zurich, since July 2000.

Prof Kalfas is active in the areas of aircraft engine technology, turbomachinery design and instrumentation. His research interests include hybrid electric propulsion, thermal management systems for aircraft engines, axial steam turbines and gas-turbine aerodynamics, gas-turbine performance and power plant optimisation, as well as boundary layer transition and turbulence and novel aerodynamic probe technology. He is a committed educator with more than 20 years contribution in Turbomachinery Design, Aircraft Engines and Instrumentation.

Prof Kalfas has been a member of the Leadership Team of the Gas Turbines Segment and a life member of ASME. He has served as the Chair of the Cycle Innovations and the Steam Turbines Committees. He has published more than 100 papers at the ASME Turbo Expo and received the best paper award for 7 of his contributions. In 2014, he received the ASME IGTI Outstanding Service Award. He has served as an Associate Editor of the Journal of Turbomachinery and the Journal of Engineering for Gas Turbines and Power.

# 2023

## Industrial Gas Turbine Technology Award

For outstanding contributions to the electric power and mechanical drive industries through his leadership, research and development, and advocacy on behalf of industrial gas turbines.



### **Vittorio Michelassi**

*Chief Consulting Engineer  
Baker Hughes*

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Vittorio specialized in turbomachinery aerothermodynamics at the Von Karman Institute where he was awarded the Von Karman Prize for his computational fluid dynamics research. He joined the University of Florence and the University of Rome where he taught Turbomachinery. During his Academic career he was visiting scientist at the Karlsruhe Institute of Technology, NASA Lewis Research Center, and Center for Turbulence Research in Stanford where he concentrated on internal aerodynamics and turbulence modeling in turbomachinery.

In 2003 Vittorio joined General Electric Oil&Gas as principal engineer. He set-up a new aero-thermodynamics design team for radial and axial machines that revolutionized design methods and products and gained him the “GE Engineering Award”.

In 2009 he moved to General Electric Global Research as Aero-Thermal-Mechanical Systems Chief Engineer. He pioneered the application of high-fidelity and machine-learning assisted design and verification tools establishing collaborations with US National Labs and Universities. For his work he was awarded the “Technical Expertise Award” by General Electric CTO.

In 2015 Vittorio joined Baker Hughes as rotating machinery aero-thermodynamics Chief Consulting Engineer for radial and axial compressors, turbines, and the associated design and verification methods. He contributed to design of the latest industrial gas turbines in the 6-75MW range as well as to the modernization of design systems.

In his career Vittorio worked across various turbomachinery disciplines and components, published numerous papers, and gave several keynotes and tutorials on turbomachinery. He serves as associate editor and reviewer of the ASME Journal of Turbomachinery.

# 2023

## Dilip R. Ballal Early Career Award

Awarded to an individual who has made significant contributions in the gas turbine industry within the first five years of their career.



### Raghu Kancherla

*Senior Combustion Aerothermal Engineer  
Power Systems Mfg. LLC.*

Dr. Kancherla is currently serving Power Systems Mfg. LLC, (PSM) as a senior combustion aerothermal engineer and involved in the development of novel hydrogen-containing fuel, and ultra-low emission gas turbine combustors. He did his Postdoc and Ph.D., from the University of Central Florida and his Masters's from the Indian Institute of Technology Madras, India.

He is an expert in chemical kinetics, designing, developing, CFD modeling, and testing gas turbine combustion systems. He has around seventeen peer-reviewed articles and two book chapters, especially in the areas of supercritical CO<sub>2</sub> combustion and hydrogen-containing fuel combustion. His chemical kinetic models are implemented by various US industries, and national labs to advance the current state-of-the-art of supercritical CO<sub>2</sub> combustor technology. Dr. Kancherla has been assisting supercritical CO<sub>2</sub> and Education committees at ASME Turbo Expo, and the Gas Turbine committee at AIAA SciTech since 2017 in various capacities as a session chair, and session organizer. Also, he is a reviewer for 12 journals in the field of gas turbine combustion.

# OUTGOING CHAIRS

The core of IGTI is its committees, and the members of those committees drive our excellence. We greatly appreciate those individuals who commit to leading these committees as chair and recognize their time, expertise and effort required to do the job. Thank you for your service from July 1, 2021, to June 30, 2023, and especially during the years of the unknown with the Covid-19 Pandemic.

## Rajesh S. Kumar

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CERAMICS

## Grant Ingram

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STEAM TURBINE

## Rudy Dudebout

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COMBUSTION, FUELS & EMISSIONS

## Nathan Weiland

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SUPERCRITICAL CO<sub>2</sub>

## Panos Laskaridis

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CYCLE INNOVATIONS

## Luca Porreca

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TURBOMACHINERY

## Clement Joly

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INDUSTRIAL & COGENERATION

## Juan Carlos Juaregui Correa

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WIND ENERGY

## Jose R. Serrano

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MICROTURBINES, TURBOCHARGERS  
& SMALL TURBOMACHINES

## Dimitra Eirini Diamantidou

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STUDENT ADVISORY

## Mauro Venturini

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OIL & GAS APPLICATIONS

# BEST PAPERS

## Aircraft Engine

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**GT2022-82478:** Design Methodology and Mission Assessment of Parallel Hybrid Electric Propulsion Systems

*Raj Ghelani, Ioannis Roumeliotis, Chana Anna Saias, Christos Mourouzidis, Vassilios Pachidis, Justin Norman, Marko Bacic*

**GT2022-82446:** Estimation of Resultant Airframe Forces for a Variable Pitch Fan Operating in Reverse Thrust Mode

*David John Rajendran, Richard Tunstall, Vassilios Pachidis*

## Ceramics

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**GT2022-81787:** Restitution of Impacting Projectiles in Ceramic Matrix Composites (CMCs) Subject to Foreign Object Damage

*David C. Faucett, Jacob Mattison, Sung Choi*

## Coal, Biomass & Alternative Fuels

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**GT2022-83097:** Sensitivity Study on Species Diffusion Models in Turbulent Combustion of Hydrogen/air Jet in Crossflow Structure

*Xiaoxiao Sun, Harry Martin, Pierre Gauthier, Bobby Sethi*

## Combustion, Fuel, and Emissions

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**GT2022-82637:** A Novel Decomposition Approach Preventing Spurious Entropy Generation in Hybrid Thermoacoustic Stability Computations

*Gerrit Heilmann, Tong Liu, Pedro Romero Vega, Thomas Sattelmayer*

**GT2022-82020:** Simultaneous Ultra-Small-Angle X-Ray Scattering and X-Ray Transmission Measurements of a Liquid Jet in Crossflow With Film Atomization

*Brandon Sforzo, Christopher F. Powell, Jan Ilavsky*

**GT2022-82163:** Numerical Investigation of a Coupled Blow-Off/  
Flashback Process in a High-Pressure Lean-Burn Combustor

*Ivan Langella, Alessandro Soli*

## Coal, Diagnostics & Instrumentation

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**GT2022-81686:** Hot-Wire Anemometry in High Subsonic Organic Vapor Flows

*Leander Hake, Stephan Sundermeier, Leon Cakievski, Joshua Bäumer, Stefan  
aus der Wiesche, Camille Matar, Paola Cinnella, Xavier Gloerfelt*

## Cycle Innovations

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**GT2022-82516:** Gas Turbine Combined Cycle Range  
Enhancer - Part 2: Performance Demonstration

*Tommaso Reboli, Marco Ferrando, Lorenzo Gini, Luca  
Mantelli, Alessandro Sorce, Alberto Traverso*

**GT2022-84037:** Power Flow Optimization for a Hybrid-Electric Propulsion System

*Konstantinos I. Papadopoulos, Christos P. Nasoulis, Elissaios G.  
Ntouvelos, Vasilis G. Gkoutzamanis, Anestis I. Kalfas*

## Electric Power

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**GT2022-81802:** Gas Turbine's Role in Energy Transition

*S. Can Gülen, Martin Curtis*

## Fans and Blowers

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**GT2022-80190:** A Comprehensive Analytical Model for  
Vortex Shedding From Low-Speed Axial Fan Blades

*Gábor Daku, János Vad*

## Heat Transfer

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**GT2022-79526:** Assessment of the Flow Field and Heat Transfer in an NGV Using  
Magnetic Resonance Velocimetry, Thermochromic Liquid Crystals and CFD

*Martin Bruscheckski, Carolin Wüstenhagen, Clemens Domnick, Robert  
Krewinkel, Chao-Cheng Shiau, Sven Grundmann, Je-Chin Han*

**GT2022-80225:** Turbine Vane Passage Cooling Experiments With a Close-Coupled Combustor-Turbine Interface Geometry Part 1: Describing the Flow

*MKedar P. Nawathe, Aaditya R. Nath, Yong W. Kim, Terrance W. Simon*

**GT2022-83129:** Experimental Investigation of a High-Speed Turbine With Rainbow Rotor and Rim Seal Purge Flow

*Bogdan Cernat, Jorge Pinho, Mizuki Okada, Sergio Lavagnoli*

## Industrial & Cogeneration

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**GT2022-81082:** Analysis of a Multi-Generation Renewable Energy System with Hydrogen-Fueled Gas Turbine

*Hilal Bahlawan, Enzo Losi, Lucrezia Manservigi, Mirko Morini, Pier Ruggero Spina, Mauro Venturini*

## Manufacturing, Materials and Metallurgy

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**GT2022-82910:** Life-Cycle-Assessment for Rough Machining of Inconel 718 Comparing Ceramic to Cemented Carbide End Mills

*Kilian Fricke, Richard Zimmermann, Philipp Ganser, Sascha Gierlings, Thomas Bergs*

**GT2022-83282:** Refinement of a High Cycle Fatigue Decision-Gate Assessment for Additively Repaired Blades

*Onome Scott-Emuakpor, Brian Runyon, Daniel Gillaugh, Lucas Smith, Philip Johnson*

## Microturbines, Turbochargers, and Small Turbomachines

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**GT2022-81739:** Design Methodology and Concept Demonstration of Preassembled Additively Manufactured Turbomachinery Systems: Case Study of Turbocharger Based Medical Ventilators

*Acar Çelik, David Linsky, Ron Miezner, Alex Kleiman, Boris Leizeronok, Michael Palman, Sercan Acarer, Beni Cukurel*

## Oil & Gas Applications

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**GT2022-81797:** Abradable Seal Test Rig for Quantifying Abradable Material Performance During Labyrinth Seal Rubs in Centrifugal Compressors: Design and Test Results

*Kelsi M. Katcher, Thomas Revak, Aaron Rimpel, Jeffrey Ratay, Klaus Brun*

## Structures & Dynamics

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**GT2022-77999:** Fully Coupled Analysis of Flutter Induced Limit Cycles: Frequency vs. Time Domain Methods

*Christian Berthold, Johann Groß, Christian Frey, Malte Krack*

**GT2022-81839:** Effect of a Reduced Oil Flow Rate on the Static and Dynamic Performance of a Tilting Pad Journal Bearing Running in Both the Flooded and Evacuated Conditions

*Luis San Andrés, Andy Alcantar*

**GT2022-82322:** Stability Analysis of an Industrial Blade Accounting for a Blade-Tip/Casing Nonlinear Interface

*Yann Colaitis, Alain Batailly*

## Supercritical CO<sub>2</sub> Power Cycles

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**GT2022-80658:** Design and Operability Challenges for Supercritical CO<sub>2</sub> Plants: The sCO<sub>2</sub>-Flex Centrifugal Compressor Test Experience

*Bigi Manuele, Bisio Valentina, Evangelisti Silvia, Giancotti Marco, Milani Alberto, Pellegrini Tiziano*

## Turbomachinery

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**GT2022-82177:** Effects of Sideslip Direction on a Rear Fuselage Boundary Layer Ingesting Fan

*Alejandro Castillo Pardo, Cesare A. Hall*

**GT2022-82594:** The Effects of Swirling Flows in Entropy Wave Convection Through High Pressure Turbine Stage

*Lorenzo Pinelli, Michele Marconcini, Roberto Pacciani, Andrea Notaristefano, Paolo Gaetani*

**GT2022-79368:** Some Properties of the Exit Velocity Triangle of a Radial Compressor Impeller

*Michael Casey, Chris Robinson*

## Wind Energy

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**GT2022-81983:** A Novel Wake Control Approach for Power: Generation Improvement of Three Wind Turbines in a Wind Farm

*Mahdi Erfanian Nakhchi Toosi, Mohammad Rahmati*

# 2023

## Turbo Expo Early Career Engineer Travel Award

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**Lakshya Bhatnagar**

PURDUE UNIVERSITY

**Louis Christensen**

SLIPPERY ROCK UNIVERSITY

**Luca Fantaccione**

BAKER HUGHES

**Vasilis Gkoutzamanis**

ARISTOTLE UNIVERSITY  
OF THESSALONIKI

**Jim Hickey**

SENSOR COATING SYSTEMS LTD

**Rory Hine**

BAE SYSTEMS PLC

**Richard Hollenbach III**

EXPONENT SCIENTIFIC AND  
ENGINEERING CONSULTING

**Melissa Kozul**

UNIVERSITY OF MELBOURNE

**Eric Kurstak**

GE AEROSPACE

**Oguzhan Murat**

VON KARMAN INSTITUTE  
FOR FLUID DYNAMICS

**Preethi Rajendram  
Soundararajan**

UNIVERSITY OF CAMBRIDGE

**Bryan Rodriguez**

LA TURBINE

**Neha Singh**

ROLLS-ROYCE

**Ananth Sivaramakrishnan  
Malathi**

INDIAN INSTITUTE OF  
TECHNOLOGY MADRAS

**Jose Torres**

BOEING

**Dung Tran**

ENERGY RECOVERY INC.

**Ladislav Vesely**

UNIVERSITY OF CENTRAL FLORIDA

**Alexander Wildgoose**

GENERAL ELECTRIC AEROSPACE

**Peter Wilkins**

PRATT & WHITNEY

**Yu Xia**

ANSYS UK LTD.

# 2023

## Student Advisory Committee Travel Award

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**Achinie Nataliya Warusevitane**

UNIVERSITY OF NOTTINGHAM

**Akchhay Kumar**

INDIAN INSTITUTE OF  
TECHNOLOGY KHARAGPUR

**Anand P. Darji**

SARDAR VALLABHBHAI NATIONAL  
INSTITUTE OF TECHNOLOGY

**Andrea Notaristefano**

POLITECNICO DI MILANO

**Antonino Federico Maria Torre**

VON KARMAN INSTITUTE  
FOR FLUID DYNAMICS

**Deepanshu Singh**

UNIVERSITY OF OXFORD

**Evan Lundburg**

PENNSYLVANIA STATE UNIVERSITY

**Gustavo Lopes**

THE UNIVERSITY OF LIÈGE

**Konstantinos I. Papadopoulos**

ARISTOTLE UNIVERSITY  
OF THESSALONIKI

**Mizuki Okada**

VON KARMAN INSTITUTE  
FOR FLUID DYNAMICS

**Noraiz Mushtaq**

POLITECNICO DI MILANO, ITALY

**Pratikshya Mohanty**

THE PENNSYLVANIA STATE UNIVERSITY

**Ryan Wardell**

UNIVERSITY OF CENTRAL FLORIDA

**Sean K Hanrahan**

THE UNIVERSITY OF MELBOURNE

**Sergio Grasa Martinez**

PURDUE UNIVERSITY

**Taha Sherif Mohamed  
Namany Sherif**

MENOUFIA UNIVERSITY

**Troy Krizak**

THE OHIO STATE UNIVERSITY

**Umang H. Rathod**

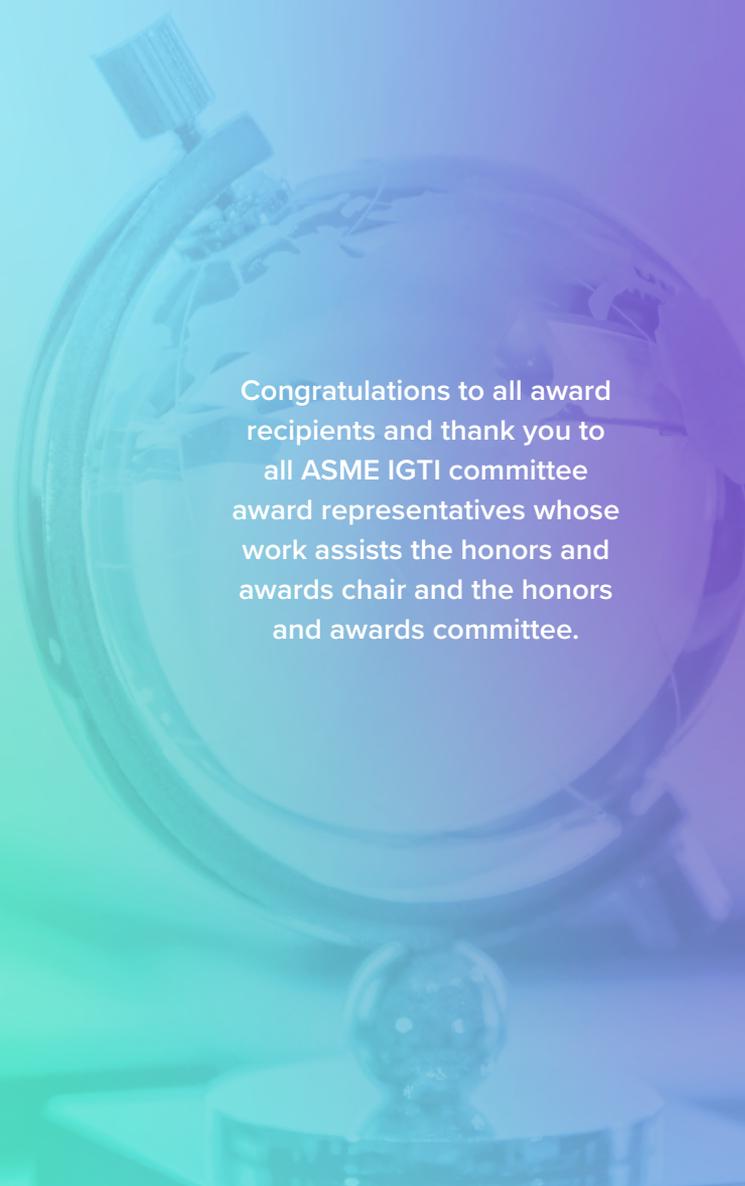
INDIAN INSTITUTE OF  
TECHNOLOGY GUWAHATI

**Vamsi Krishna Undavalli**

THE UNIVERSITY OF ALBAMA

**Zhenhao Jing**

GEORGIA INSTITUTE OF TECHNOLOGY



Congratulations to all award recipients and thank you to all ASME IGTI committee award representatives whose work assists the honors and awards chair and the honors and awards committee.



The American Society of Mechanical Engineers  
International Gas Turbine Institute