About the Conference

High-value products are technology intensive, expensive, and reliability-critical, requiring the services (e.g., maintenance, repair, and overhaul) throughout the life cycle. The conference will bring experts and researchers in this area together to exchange ideas in delivering solutions to provide world-class capability to enable industry to produce high-value products with outstanding availability, predictability, and reliability with the lowest life cycle cost.

Honorary Chair
- Prof. Rajkumar Roy, University of London
  UK, r.roy@city.ac.uk

Conference Chair and Co-Chair
- Prof. Robert Gao, Case Western Reserve University
  USA, Robert.Gao@case.edu
- Dr. John Erkoyuncu, Cranfield University
  UK, j.a.erkoyuncu@cranfield.ac.uk

Program Committee Chair and Co-Chair
- Prof. Kirsten Tracht, University of Bremen
  Germany, kirsten.tracht@uni-bremen.de
- Prof. Ruqiang Yan, Xi’an Jiaotong University
  China, yanruqiang@xjtu.edu.cn

Conference Topics
- Fundamentals of TES
  Condition monitoring and fault diagnostics
  Degradation assessment and RUL prediction
- Planning and Management of TES
  Supply and support chains
  Uncertainty and risk assessment
- Design and Manufacturing for TES
  Systems design
  Service performance feedback to design
- Technologies of TES
  Sensors and sensor networks
  Repair and overhaul
- Digital Service Engineering for TES
  Industry 4.0, IoT, and digital twins
  Big data analytics and artificial intelligence
  Augmented reality and virtual reality
- Future of TES
  Autonomous maintenance
  Robotic maintenance
  Self-healing and self-repairing systems

Important Dates
- May 1, 2019: Submission of full length paper
- June 20, 2019: Notification of review results, early conference registration begins
- July 30, 2019: Submission of revised paper
- August 30, 2019: Early registration closed
REGISTRATION AND PUBLICATION

- Early registration $750
- Regular registration $850
- Additional paper registration $200
- Student registration $450
- Conference registration covers one accepted paper. Fees apply for each additional paper to be registered.
- A paper without accompanying registration will be removed from the conference presentation.
- Papers presented at TESConf 2019 will be published by Elsevier through Procedia Manufacturing.

LOCAL ORGANIZATION

- Dr. Peng Wang: pxw206@case.edu

ABOUT CLEVELAND

Cleveland has a distinct history with rich cultural heritage. We welcome TESConf 2019 attendees and guests to explore various sights and attractions.

- Cleveland Museum of Art: A world-renowned facility within a short walkable distance the conference venue and hotel. The museum is free of charge. www.clevelandart.org/

CDleveland Botanical Garden: Founded in 1930, it was the first such organization in American city. It locates in University Circle, next to the Museum of Art. www.cbgarden.org/

- Cleveland Museum of Natural History: Established in 1920 to perform research, education & collections in anthropology, archaeology, wildlife biology, etc. www.cmnh.org/

- Rock & Roll Hall of Fame: Recognizes and archives the history of the best-known and most influential artists, producers, engineers, and other notable figures who have had some major influence on the development of rock and roll. www.rockhall.com

CONFERENCE VENUE

The TESConf 2019 will be held at the Tinkham Veale University Center, which is one of the most unique facilities at Case Western Reserve University and located 7.5 km east of Downtown Cleveland. Opened in August 2014, the 82,000-square-foot facility is distinguishable on two levels — physically for iconic architecture and philosophically for campus unification. Designed to foster a culture of inclusion, it satisfies the needs from student, faculty, and the community.

11038 Bellflower Road
Cleveland, OH 44106, USA
case.edu/universitycenter/
Parking: Case Lot S-29
11172 East Blvd.

CONFERENCE HOTEL

The conference recommended hotel is Marriott Courtyard Hotel Cleveland, which is located right next to the Case Western Reserve University Hospital and Medical Center. This modern hotel is within a 10-minute walk from the conference venue. Its contemporary-styled rooms offer free WiFi, flat-screen TVs, mini-fridges and coffeemakers.

2021 Cornell Road
Cleveland, OH 44106, USA
Tel: (216) 791-5678

TRAVEL & TRANSPORTATION

Cleveland is served by the Cleveland Hopkins International Airport (CLE) airport, which is a public airport located nine miles (14 km) southwest of the city of Cleveland.

The Hopkins Airport is the largest airport in the State of Ohio, as well as a focus city for Frontier Airlines.

Other major airlines serving the city include United Airlines, Continental, Delta, American, Southwest, etc.