



Call for Papers

The international conference of The Efficiency and Performance Engineering Network 2022 (TEPEN 2022) will be held from **19-21 August 2022 in Baotou, P. R. China**. The conference will be jointly organized by Beijing Information Science and Technology University (BISTU) and Inner Mongolia University of Science & Technology (IMUST) with a theme of **Intelligent Condition Monitoring for Enhancing Efficiency and Carbon Neutralization**. The conference aims to provide a common platform for professionals, engineers, practitioners and researchers working in the field of condition monitoring, plant maintenance and reliability. We welcome participations and contributions from those involved in both theoretical research and practical applications of all aspects of fault detection, diagnostics, prognostics in both the operational and manufacturing processes. The conference is featured with parallel technical sessions, keynote speeches, workshops, special panel forums as well as **best paper awards, best presentation awards, and international collaboration funds (TEPEN-ICF2022)**.

Scopes: The conference covers a broad area with multi-disciplinary interests in the fields of plant maintenance, asset management, reliability, condition monitoring, artificial intelligence and related areas, ranging from fundamental research to real-world applications. The conference welcomes the submission of papers in the nature of original research, technical review and tutorial from following, but not limited to, areas:

- Vibro-acoustics Monitoring
- Condition-based Maintenance
- eMaintenance, mobile technology
- Sensors and Instrumentation
- Machine Health Monitoring
- Artificial intelligence/Machine learning
- Maintenance Auditing
- Maintenance Organisation
- Non-Destructive Testing
- Reliability, Maintainability & Risk
- Asset Management
- Condition Monitoring & Reengineering
- Health, Safety & Carbon Neutralization
- Life Cycle Cost Optimisation
- Machine Lube Oil Analysis & Monitoring
- Electrical Vehicle Monitoring and Energy Management
- Prognostics and Health Management
- Maintenance Performance Measurement
- Manufacturing Process Monitoring
- Signal and Image Processing Methods

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- **Conference venue: Baotou and Beijing, P.R. China**

Paper submission:

Accepted paper will be published in the conference proceedings by Springer (EI).

- • **EasyChair paper submission link:** <https://easychair.org/conferences/?conf=tepen2022>
- • **Conference website:** <https://tepen.net/conference/tepen2022/>



Important Dates:

- Full paper submission deadline: May 31, 2022
- Acceptance notification: June 15, 2022
- Final manuscript: June 30, 2022
- Registration deadline: Aug 7, 2022

Conference Chairs:

- **Prof. Shijie Yu**, BISTU, China
- **Prof. Jianguo Wang**, IMUST, China
- **Prof. Fulei Chu**, Tsinghua University, China
- **Prof. Andrew D. Ball**, University of Huddersfield, UK

Organisers and Sponsors:

