



# Global Joint Conference on Industrial Engineering and Its Application Areas 2025

Organized by Istanbul Technical University

INDUSTRIAL ENGINEERING IN THE ERA OF INDUSTRY 5.0

August 12 — 15, 2025

Conference Venue  
İstanbul, Türkiye

GJCIE 2025

Industry 5.0, often called the Fifth Industrial Revolution, introduces a paradigm shift toward human-centric, sustainable, and resilient production systems. Building upon the technological advancements of Industry 4.0, it focuses on integrating human creativity and ingenuity with advanced technologies, including artificial intelligence, robotics, the Internet of Things, big data, and cloud computing. This evolution underscores the complementary roles of humans and machines, fostering a collaborative partnership rather than a replacement dynamic. Unlike its predecessor, Industry 5.0 goes beyond technology-driven efficiency and economic growth, prioritizing people's well-being, resilience, and sustainability. It redefines the principles of production and challenges conventional approaches to engineering education and corporate management. By encouraging sustainable practices that also respect the workforce, Industry 5.0 paves the way for more inclusive and adaptable systems. The upcoming conference will delve into the pivotal role of industrial engineering in advancing the vision and practices of Industry 5.0.

The GJCIE 2025 will host four co-located conferences: the 10th Global Conference on Industrial Engineering (GCIE), the 11th Global Conference on Healthcare Systems Engineering and Management (GCHSEM), the 12th Global Conference on Engineering and Technology Management (GCETM), and the 1st National Conference on Best Practices in Industrial Engineering (NCBPIE). GJCIE 2025 will serve as a prestigious platform for researchers, practitioners, and educators to share the latest innovations, trends, challenges, and experiences in industrial engineering. Bringing together leading experts from academia and industry, the conference will facilitate knowledge exchange and foster practical applications across the following modes of communication: keynote presentations, parallel sessions, student paper competitions, and poster sessions. This event will inspire dynamic discussions, interdisciplinary collaborations, and advancements in industrial engineering, shaping the future of the field.

Istanbul, uniquely spanning two continents, is a city steeped in history and culture. Its iconic landmarks, from ancient Roman aqueducts and Byzantine churches to Ottoman mosques and world-class museums, reflect a rich heritage. As a vibrant metropolis situated on the Bosphorus Strait, Istanbul bridges Europe and Asia, embodying a crossroads of cultures and ideas. Turkey's largest city, home to over 16 million residents, has long been a vital trading hub, blending tradition with innovation. From August 12 to August 15, 2025, Istanbul will host GJCIE 2025, offering participants the opportunity to explore its unique charm while engaging in forward-thinking discussions on industrial engineering. This exciting venue promises to enhance the conference experience, making it a truly memorable event.



109,838 visitors from 186 countries, since October 02, 2019



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## Who Should Participate

- Educators in engineering and technology management programs
- Educators in healthcare engineering and healthcare systems engineering programs
- Educators in industrial engineering programs
- Engineering and technology management program heads
- Engineering and technology management researchers
- Engineering, manufacturing, and R&D managers
- Engineering, manufacturing, operations, and R&D managers
- Government officials responsible for healthcare programs
- Government officials responsible for industrial engineering related programs
- Government officials responsible for science and technology programs
- Governmental and organizational policy makers
- Healthcare engineering and healthcare systems engineering researchers
- Healthcare systems engineering program heads
- Industrial engineering and R&D managers
- Industrial engineering program heads
- Industrial engineering researchers
- Managers in healthcare organizations
- Managers in industrial and service organizations
- Presidents and chief executive officers
- Presidents and chief executive officers of healthcare organizations
- Project and operations managers
- Project, product, and operations managers
- Students seeking degrees in engineering management, technology management, MBA, and related fields
- Students seeking degrees in healthcare engineering, healthcare systems engineering, MBA, and related fields
- Students seeking degrees in industrial engineering and related fields
- Vice presidents of healthcare organizations
- Vice presidents of corporations

## Important Dates

### Submission Due for Review

April 11, 2025

### Notification of Acceptance

May 09, 2025

### Camera-Ready (Final) Version Submission Due (with changes)

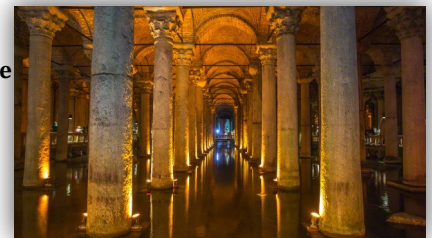
June 13, 2025

### Early Registration Deadline

June 13, 2025

### Registration Deadline

June 20, 2025



## Topics

### Engineering and Technology Management

- Energy Management
- Engineering and Technology Management Education and Training
- Engineering and Technology Management in Developing Countries
- Engineering and Technology Management in Service Industries
- Engineering and Technology Management in Small and Medium Enterprises
- Finance and Risk Management
- Green Technology and Productivity
- Healthcare Systems and Management
- Human Factors
- Human Resources
- Information and Communication Technology Management
- Innovation & Entrepreneurship
- Legal Issues in Engineering and Technology Management
- Managing Emerging Technologies
- New Product Development
- Project Management
- R&D Management
- Science & Technology Policy and Regulations
- Science and Technology Parks
- Strategic Management
- Supply Chain Management and Logistics
- Sustainability and Technology Management
- Technology and Competitiveness
- Technology and Knowledge Management
- Technology Foresight and Forecasting
- Technology Transfer, Marketing, and Commercialization

### Healthcare Systems Engineering and Management

- e-Health and m-Health
- Engineering and Technology Management in Healthcare
- Engineering Issues in Healthcare Policy and Regulations
- Financial Management in Healthcare
- Health Communication & Informatics
- Health Economics
- Healthcare Engineering Education & Training
- Healthcare Marketing
- Healthcare Operations Research
- Healthcare Safety, Security, Reliability, and Risk Management
- Human Factors and Ergonomics in Healthcare
- Human Resources Management
- IT and Information Systems Management
- Modeling, Simulation, and Optimization
- Quality and Process Improvement in Healthcare
- Supply Chain Management & Logistics

### Industrial Engineering

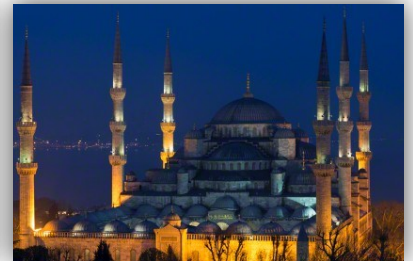
- CAD/CAM
- Concurrent Engineering
- Data Mining and Analytics
- Decision Analysis and Methods
- Energy Management
- Engineering Economy
- Entrepreneurship and Innovation Management
- Ergonomics
- Facilities Planning and Management
- Financial Engineering and Risk Management
- Global Manufacturing and Management
- Human Resources Management
- Industrial Engineering Education
- Industrial Psychology
- Information Processing and Engineering
- Intelligent Systems
- Knowledge Management
- Logistics and Supply Chain Management
- Manufacturing Systems and Technologies
- Operations Research
- Product Lifecycle Management
- Production Systems Design Planning and Control
- Project Management
- Quality Control and Management
- Reliability and Maintenance Engineering
- Service Systems
- Social Media and Communication
- Systems Modeling and Simulation
- University Industry Collaboration
- Work Measurement and Methods Engineering

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## Contact

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## Submission

### Parallel Presentations

#### Full Papers

Authors are requested to submit a full-paper of up to 13 pages in length, including all figures, tables, and references using the paper template through the GJCIE 2025 website. Papers exceeding the page limit will be rejected without review. Please indicate to which track your submission should be sent for review. In some cases when considering submissions for the parallel presentations, authors should consider whether their material may be more effectively presented in the poster/demonstration sessions. In order to provide a greater opportunity for more people to present at the Conference, each accepted paper should have a different conference registrant. However, co-authors may appear on multiple papers.

**Please note that only accepted and presented full-papers will appear in the Lecture Notes in Management and Industrial Engineering by Springer**

#### Abstracts

Authors are requested to submit an abstract using the abstract template through the GJCIE 2025 website. Please indicate to which track your submission should be sent for review. In some cases when considering submissions for the parallel presentations, authors should consider whether their material may be more effectively presented in the poster/demonstration sessions. In order to provide a greater opportunity for more people to present at the Conference, each accepted abstract should have a different conference registrant. However, co-authors may appear on multiple abstracts.

**Please note that these abstracts will appear only in the abstract book of the conference which will be available online at the conference website.**

### Poster/Demonstration Sessions

This session has been especially designed to accommodate the presentation of late-breaking scientific and professional news, work in progress, work which can be more effectively presented via demonstration or when the author feels more comfortable presenting the material in written form or demonstrating it rather than by oral presentation. Authors are requested to submit an abstract by using the abstract template through the GJCIE 2025 website. In order to provide a greater opportunity for more people to present at the Conference, each accepted poster should have a different conference registrant. However, co-authors may appear on multiple posters. Your poster should be Standard A0 size (portrait orientation) 841mm(w) x 1189mm(h). Construct the poster to include the title, the author(s), affiliation(s), and a description of the research, highlighting the major elements that are covered in the paper. You are required to be available by your poster, during the designated time, to discuss the work presented. Kindly note that the conference organizers cannot forward any posters not collected after the conference.

**Please note that these abstracts will appear only in the abstract book of the conference which will be available online at the conference website.**

## Committees

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- Selim ZAIM, İbn-i Haldun University, Turkey

### Program Chair

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