



AIM-FPE COLLABORATION: AN UPDATE

Presented by Waldemar Karwowski
on behalf of FPE/AIM Steering Committee

European Academy for Industrial Management

Prof. Dr. Giovanni Mummolo, AIM President

Prof. Dr. Krzysztof Santarek, AIM Board Member

&

Foundation for Professional Ergonomics

Dr. Robert J. Smillie, FPE President

2023 AIM Annual Meeting

September 1th 2023

MEMORANDUM OF COOPERATION

This Memorandum, entered into by:

FOUNDATION FOR PROFESSIONAL ERGONOMICS (FPE), a non-profit organization with its principal office located in Bellingham, WA 98227, USA, represented herein by its President Robert Smillie



-and-



THE EUROPEAN ACADEMY FOR INDUSTRIAL MANAGEMENT (AIM) registered in The Netherlands with the Kamer van Koophandel Brabant, Eindhoven, under nr. 40238814 and represented by its President Gianni Mummolo;

Agree to collaborate in the following main areas of mutual interest and benefit:

- Form a joint working group – FPE/AIM Steering Committee – to coordinate planning and execution of future collaborative efforts
- Explore organizing joint webinars on selected topics of interest to both organizations
- Consider sharing relevant training & educational materials
- Collaborate and mutually support joint cooperation with other non-profit organizations
- Explore development of joint publication opportunities
- Investigate how to collaborate on jointly sponsored book projects
- Promote international research and practice in the selected areas that benefits the global society at large.
- Collaborate on any other areas of mutual interest.

FOUNDATION FOR
PROFESSIONAL
ERGONOMICS

EUROPEAN
ACADEMY FOR
INDUSTRIAL
MANAGEMENT



AIM & FPE COOPERATION AGREEMENT: AREAS OF COLLABORATION

- Organizing joint webinars on selected topics of interest to both organizations
 - *Ergonomics and Industrial Management: Improving the work environment*
- Sharing relevant training & educational materials
 - *Translating NIOSH toolset into French and Italian*
- Collaborating and mutually supporting joint cooperation with other non-profit organizations
 - *Investigate mutual areas of interest with HFES and CIEHF*



AIM & FPE COOPERATION AGREEMENT: AREAS OF COLLABORATION

- Explore development of joint publication opportunities
- *Investigate how to collaborate on jointly sponsored book projects*
 - Commonalities of Ergonomics and Industrial Management
- Promote international research and practice in the selected areas that benefits the global society at large.
 - *Example: FPE Impact Grants*

News & Updates

From the Foundation for Professional Ergonomics

News

FPE Impact Grant Projects from Thailand and Malaysia Completed

Foundation for Professional Ergonomics (FPE) Impact Grants provide seed funding for small (pilot) projects that support the development of professional ergonomics worldwide. The two latest projects address:

- Certification system and core competencies for professional ergonomists in Thailand.
- Investigation of the ergonomic risks common to workers in the batik industry in Malaysia.





CURRENT COLLABORATION PROJECTS: 2023-2024

1. Special Issue of “Management and Production Engineering Review” (MPER), <https://journals.pan.pl/mper> - see Call for Papers
2. Joint white FPE-AIM paper on “Grand Challenges of Professional Ergonomics in the Age of Artificial Intelligence”
3. Joint AIM-FPE Technical session at AIM Annual Meeting, September 2023
4. Potential future activities (to be defined)

Management and Production Engineering Review” (MPER)

<https://journals.pan.pl/mper>

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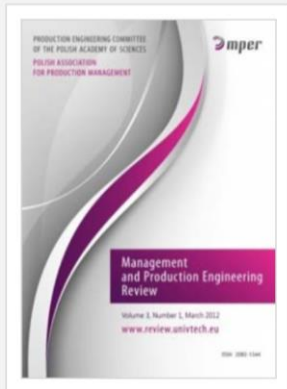
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Management and Production Engineering Review



DESCRIPTION

Management and Production Engineering Review (MPER) is a peer-refereed, international, multidisciplinary journal covering a broad spectrum of topics in production engineering and management. Production engineering is a currently developing stream of science encompassing planning, design, implementation and management of production systems. Orientation towards human resources factor differentiates production engineering from other technical disciplines. The journal aims to advance the theoretical and applied knowledge of this rapidly evolving field, with a special focus on production management, organisation of production processes, management of production knowledge, computer integrated management of production flow, enterprise effectiveness, maintainability and sustainable manufacturing, productivity and organisation, forecasting, modelling and simulation, decision making systems, project management, innovation management and technology transfer, quality engineering and safety at work. **Management and Production Engineering Review** is published under the auspices of the Polish Academy of Sciences Committee on Production Engineering and Polish Association for Production Management.

The main purpose of Management and Production Engineering Review is to publish the results of cutting-edge research advancing the concepts, theories and implementation of novel solutions in modern manufacturing. Papers presenting original research results related to production engineering and management education are also welcomed.

About the Journal

Aims and scope

Editors



#1. Special Issue of the journal Management and Production Engineering Review (MPER) **CALL FOR PAPERS**

<https://journals.pan.pl/mper>



Special Issue on **Industry 5.0: Current Challenges and Future Prospects**

The Journal of Management and Production Engineering Review invites submissions of papers for the Special issue devoted to recent development and challenges in the design, implementation, management, and evaluation of human-centered intelligent work systems and enterprises across the globe.

The main topics include, but are not limited to, the following:

- Design and management paradigms for the integration of intelligent technologies, people, and organizations
 - Human - AI interactions, teaming and collaboration
 - Societal, ecological, and sustainability challenges of digital transformation
 - Theory and practice of integrating humans and complex hardware, software, and system interfaces
 - Developing human-centered intelligent manufacturing and service systems: ergonomics and safety aspects
 - Applications of artificial cognitive systems in business, industry, trade, government, and education
 - Professional training and workforce development: challenges and opportunities
 - Ethical, environmental, and social justice considerations
-
- Deadline for papers submission: December 1st, 2023
 - Paper review notification: March 1st, 2024
 - Revised paper submission: May 1st, 2024

Papers should be submitted on the MPER's website: <https://www.editorialsystem.com/mper>

All questions about this Special Issue should be directed to Special Issue Co-Editors:

Professor Krzysztof Santarek. Warsaw University of Technology, Poland, krzysztof.santarek@gmail.com

Professor Waldemar Karwowski, University of Central Florida, Orlando, USA, wkarwowski@gmail.com

Call For Papers

Management and Production Engineering Review (MPER)

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Industry 5.0: Current Challenges and Future Prospects

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Attached you will find the guidelines for Authors and the paper template.

All questions about this Special Issue should be directed to Special Issue Co-Editors:

Professor Krzysztof Santarek, Warsaw University of Technology, Poland: krzysztof.santarek@gmail.com

and

Professor Waldemar Karwowski, University of Central Florida, Orlando, USA: wkarwowski@gmail.com



#2: Joint FPE-AIM White Paper on “Grand Challenges of Professional Ergonomics in the Age of Artificial Intelligence”

- Assembling the team of authors (6-8 FPE + 6-8 AIM): November 1, 2023
- Definition of Grand PE challenges: January 15, 2024
- Synthesis of the challenges into 6-8 challenge areas: March 1, 2024
- Submission of the write-up on each challenge by teams: June 15, 2024
- Integration of teams' input: July 15, 2024
- Paper journal submission: August 1, 2024

All suggestions and inquiries should be directed to:

Professor Waldemar Karwowski, University of Central Florida, Orlando, USA
wkarwowski@gmail.com

&

Professor Krzysztof Santarek, Warsaw University of Technology, Warsaw, Poland,
krzysztof.santarek@gmail.com



Proceedings of the Human Factors and Ergonomics Society Annual Meeting



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The Grand Challenges for HFES and HF/E Profession: The Fellows' Perspective

[Coauthors: Waldemar Karwowski, S. Camille Peres, \[...\], and William S. Marras](#) [+4](#) [View all authors and affiliations](#)

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Abstract

As agreed by many HFES members, there is a pressing need to develop a unified vision for our Society, our discipline, and our profession that will guide HFES over the next 25 years and beyond. The main goal of this panel session is to discuss a long-term vision for our Society that reflects our common aspirations and that considers the profound technological, economic, social, and cultural transformations of the global society. Such a vision should help us to influence the development of our discipline worldwide and lead the HF/E the profession into the future.

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Six Human-Centered Artificial Intelligence Grand Challenges

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