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Theoretical and Applied Ergonomics

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Message from the Editor-in-Chief

It is with great pleasure and enthusiasm that I present to you the inaugural issue of *Theoretical and Applied Ergonomics*, a new journal designed to address ergonomics from a theoretical point of view, while highlighting the innovative and technical aspects of the science. Ergonomics aims to understand and improve human interactions with products, equipment, environments, and systems. Its evolution clearly shows its many connections with other fundamental sciences such as engineering, psychology, biomechanics, physiology, neuroscience, and the humanities. This makes ergonomics a science that constantly evolves in the face of technological, societal, economic, and environmental advances. Its fields of application extend to work, leisure, and other aspects of our daily lives, with the aim of optimizing the performance of systems while protecting the health, safety, and well-being of individuals.

Editor-in-Chief

Prof. Dr. Philippe Gorce

Aims

Theoretical and Applied Ergonomics (ISSN 3042-7126) is an international and interdisciplinary, peer-reviewed, open-access journal. Our aim is to provide a platform for researchers, practitioners, and educators to publish and access innovative research that advances the understanding and application of ergonomic principles across diverse domains, ultimately contributing to the enhancement of human well-being, performance, and safety in various contexts.

Scope

- Ergonomic design and evaluation of workspaces, tools, and equipment;
- Human-centered design principles and methodologies;
- Biomechanical analysis and ergonomic interventions for musculoskeletal health;
- Cognitive workload assessment and management;
- Usability testing and user interface design;
- Human-computer interaction (HCI) and user experience (UX) research;
- Ergonomics in virtual reality (VR) and augmented reality (AR) environments;
- Aging workforce and ergonomic considerations for older adults;
- Environmental ergonomics and sustainable design practices;
- Ergonomic interventions in healthcare settings and patient safety;
- Ergonomics in automotive and transportation systems;
- Ergonomic guidelines and standards development;
- Occupational health and safety in various industries;
- Ergonomics in sports, physical activity, and rehabilitation;
- Ergonomic implications of emerging technologies;
- AI-Driven ergonomic assessment tools;
- Well-being-integrated workstations;
- Ergonomic wearables;
- Data-driven ergonomics;
- Computed aided ergonomics;
- Neuroergonomics.

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