2025
AHFE International

# BEST PAPERS AWARDS

## 14 Best Paper Awards
## 11 Student Paper Awards

## 45 CONFERENCE TRACKS

AHFE
Best Paper
Award

# AHFE 2025 BEST PAPER AWARDS

Anna Staszczuk, Poland

Yazmin Diaz, Peter Hancock, USA

Morgan McAlphin, USA

Gustavo Sanchez Cortes, Dimitrios Ziakkas, Debra Henneberry, USA

Adriana Salatino, Arthur Prével, Emilie Caspar, Salvatore Lo Bue, Belgium

Karl Johan Klang, Rickard Lindkvist, Jörgen Karlsson, Thomas Elwinger, Carl Westin, Jonas Lundberg, Sweden

Harish Kambampati, Damon Berry, Julie Doyle, Orla Moran, Jonathan Turner, Micheal Wilson, Dympna O Sullivan, Suzanne Smith, Ireland

## AHFE 2025 BEST PAPER AWARDS (In-person)

Passive cooling strategies of residential buildings in human friendly architectural and construction design - example of experimental results
  Anna Staszczuk, Poland

Knowledge of results (KR) and vigilance: Are feedback effects due to information or motivation?
  Yazmin Diaz, Peter Hancock, USA

Responses to and recognition of simultaneously-occurring driving hazards using auditory and visual in-vehicle alerts
  Morgan McAlphin, Robert Gutzwiller, D'Mitri Seymour, USA

The implementation of AI in aviation accidents investigations
  Gustavo Sanchez Cortes, Dimitrios Ziakkas, Debra Henneberry, USA

The impact of time constraints on moral decision-making during human-AI interaction
  Adriana Salatino, Arthur Prével, Emilie Caspar, Salvatore Lo Bue, Italy/France/Belgium

The Remote Support Centre – An exploration of technical support and coordination for marine archipelago traffic
  Karl Johan Klang, Rickard Lindkvist, Jörgen Karlsson, Thomas Elwinger, Carl Westin, Jonas Lundberg, Sweden

A monitoring automation recipe cookbook: Simple open-source solutions for home-based support of people living with dementia and their caregivers
  Harish Kambampati, Damon Berry, Julie Doyle, Orla Moran, Jonathan Turner, Micheal Wilson, Dympna O Sullivan, Suzanne Smith, Ireland

# AHFE 2025 BEST PAPER AWARDS

Theofanis Fotis, Kitty Kioskli, Eleni Seralidou, UK

Stefan Pfeffer, Laura Lange, Katharina Gleichauf, Germany

Jingyi Zhang, UK    Kitty Kioskli, Leandros Maglaras, Emmanuel Varouchas, Netherlands

Noushin Gheibi, Stefan Boeschen, Germany

## AHFE 2025 BEST PAPER AWARDS (Virtual)

Optimizing e-Train ticket interface layout using HTA and link analysis
  Yongsheng Tan, Yu Hsiu Hung, China

Charting trustworthiness: A socio-technical perspective on AI and human factors
  Theofanis Fotis, Kitty Kioskli, Eleni Seralidou, UK

Identification and empirical investigation of movement strategies for workstation design
  Stefan Pfeffer, Laura Lange, Katharina Gleichauf, Germany

Exploring operator requirements for human-robot collaboration in a composite lay-up process
  Jingyi Zhang, Maryam Bathaeijavareshk, Sarah Fletcher, UK

Human factors and strategic approaches in cybersecurity: Threats for critical infrastructures in NIS2 domains
  Kitty Kioskli, Leandros Maglaras, Theofanis Fotis, Emmanuel Varouchas, Netherlands

Exploring democratization in industry via multi-agent systems: A firm-based case study
  Noushin Gheibi, Stefan Boeschen, Germany

Mayday, mayday! - Is heart rate variability a suitable objective indicator to detect pilot's increased mental workload in emergency situations?
  Giulia Troyer, Maria Hagl, Jörn Jakobi, Germany

# AHFE 2025 BEST PAPER AWARDS



Siyuan Zhang, Xiuzhu Gu, Japan

Bryan Johnston, Jay Kalra, Canada

Hanna Neroj, Bruce Walker, USA

Christian Wasta, Siyu Wu, USA

Xinyi Jing, Lu Zhang, China

Sylvia Guillory, Anna Jane Brown, Dawn Debrodt, Chad Peltier, Jeffrey Bolkhovsky, USA

Shuying He, China

## AHFE 2025 BEST STUDENT PAPER AWARDS (In-Person)

Is LLM a reliable risk detector? An evaluation of large language models in EMR-related medical incident detection
  Siyuan Zhang, Xiuzhu Gu, Japan

Patients over process: Stratifying risk in the design, development, and deployment of artificial intelligence in healthcare
  Bryan Johnston, Jay Kalra, Canada

The innovation effect: How futurism shifts risk perception in vehicles
  Hanna Neroj, Bruce Walker, USA

## AHFE 2025 BEST STUDENT PAPER AWARDS (Virtual)

Operation and maintenance system design with AI Intervention: Bibliometric analysis based on Citespace
  Ying Zhang, Jun Zhang, China

Interaction modes and user experience in generative AI-based new media art
  Zi Han Mei, Yi Fei Feng, Zi Xuan Zhang, Jia Wang, Yu Run Han, Zi Ling Wang, Ying Long, China

CogDriver: The longest-running autonomous driving cognitive model exhibits human factors
  Christian Wasta, Frank Ritter, Siyu Wu, USA

Cognitive and task predictors of naval submarine school academic performance: A pilot study
  Sylvia Guillory, Anna Jane Brown, Dawn Debrodt, Chad Peltier, Jeffrey Bolkhovsky, USA

Cultural-to-modern design translation: A study on Canal transportation map Using SWOT & KANO models
  Shuying He, China

User information behavior from the perspective of information context: Optimizing user experience within text-to-image AIGC platforms
  Xinyi Jing, Lu Zhang, China

Diversity analysis of smart home user interface design
  Lu Lu, Chien-Hsiung Chen, Taiwan

Scenario-based design strategies for immersive running interaction experiences
  Jiaying Liang, Yonghong Liu, Qingxia Chen, China