



## General Information

**Conference Publications.** All parallel presentations will be published in a multi-volume set of hard-cover books by Taylor & Francis Ltd. (CRC Press), and on a CD-ROM with an ISBN designation.

**Student Volunteers.** The success of the conference depends on the diligent work of student volunteers. If you would like to help at the conference in return for waiver of the registration fee, please contact the Student Volunteer Chair, Tareq Ahram: [volunteer@ahfe.org](mailto:volunteer@ahfe.org)

## Exhibits

Exhibitors will present state-of-the-art ergonomics products, systems and services for users, professionals, and researchers in the AHFE field. More than 1,500 participants who are in a position to make acquisition decisions about human factors and ergonomics products and services are expected at the conference.

Organizations interested in exhibiting or advertising in the Advance Program and/or Final Program should contact the Conference Communication and Exhibits Chair, Abbas Moallem: [exhibits@ahfe.org](mailto:exhibits@ahfe.org)



[www.ahfe2012.org](http://www.ahfe2012.org)



2012 AHFE International

4th International Conference on Applied Human Factors and Ergonomics  
21-25 July 2012 • Hilton San Francisco Union Square, San Francisco, California, USA  
AHFE International 2012, Conference Administrator P.O. Box 99712 Louisville, KY 40269, USA



# 2012

Call for Participation

# AHFE International

## 4<sup>th</sup> International Conference on

## Applied Human Factors and Ergonomics

jointly with  
2nd International Conference  
on Human Factors and Ergonomics in Healthcare

2nd International Conference  
on Cross-Cultural Decision Making

2nd International Conference  
on Applied Digital Human Modeling

1st International Conference  
on Human Side of Service Engineering

1st International Conference  
on Affective and Pleasurable Design

1st International Conference  
on Human Factors in Transportation

and  
14th International Conference  
on Human Aspects of Advanced Manufacturing  
(HAAMAHA)

## 21-25 July 2012

## Hilton San Francisco Union Square California

Under the auspices  
of 12 distinguished  
international Boards  
of 299 members  
from 41 countries

[www.ahfe2012.org](http://www.ahfe2012.org)

# Technical Program Boards

## Objective and Areas of Interest

You are cordially invited to participate in the 4<sup>th</sup> International Conference on Applied Human Factors and Ergonomics 2012 and the affiliated 2<sup>nd</sup> International Conference on Human Factors and Ergonomics in Healthcare, 2<sup>nd</sup> International Conference on Cross-Cultural Decision Making, 2<sup>nd</sup> International Conference on Applied Digital Human Modeling, 1<sup>st</sup> International Conference on Human Side of Service Engineering, 1<sup>st</sup> International Conference on Affective and Pleasurable Design, 1<sup>st</sup> International Conference on Human Factors in Transportation, and 14<sup>th</sup> International Conference on Human Aspects of Advanced Manufacturing, which are jointly held under one management and one registration. The conference objective is to provide an international forum for the dissemination and exchange of scientific information on theoretical, generic, and applied areas of ergonomics, including, physical ergonomics, cognitive ergonomics, social and organizational ergonomics, cross-cultural aspects of decision making, ergonomics modeling and usability evaluation, human digital modeling, healthcare and special populations, safety and ergonomics in manufacturing, human factors in transportation, affective and pleasurable design, and human side of service engineering. This will be accomplished through the following six modes of communication: keynote presentation, parallel sessions, demonstration and poster sessions, tutorials, exhibitions and meetings of special interest groups. The five-day conference will start with tutorials. The tutorials will be held on July 21-22, 2012. Tutorials will be offered (both half-day and full-day) at introductory, intermediate, and advanced levels covering the entire spectrum of the conference.

All submitted abstracts will be peer-reviewed by three independent referees from the international program boards. It is anticipated that a broad range of research and applied topics will be covered during the conference. Papers in the theoretical category should deal with models, concepts, and structures; papers in the generic category should present research results of broad applicability; and papers in the applied category should show how the demands of particular application areas shape the way generic research is translated into practical innovation.

### 4<sup>th</sup> INTERNATIONAL CONFERENCE ON APPLIED HUMAN FACTORS AND ERGONOMICS

Chair: **W. Karwowski, USA**  
wkahfe@gmail.com

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W. Grudzewski, Poland  
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## Proposals for Participation

**Parallel Presentations.** An abstract of about 500 words should be submitted through the AHFE website and should include a statement of the objective and significance of the proposed presentation, a description of methods, and a discussion of results. Please indicate to which Board 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.

**Tutorials.** An abstract of 300 words should state the objective, content, target audience, a bio-sketch about the presenter(s) and A/V requirements. Indicate whether the proposed tutorial is for a half-day or full-day. Please submit abstract through the AHFE 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. An abstract of 300 words should be submitted through the AHFE website and should include the essence of the planned presentation. Equipment needed for demonstration is the responsibility of the author. 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.

## Summary of Submission Requirements & Deadlines

	Abstract Length	Deadline for Abstract Receipt	Notification of Review Outcome	Deadline for Receipt of Accepted Papers
Paper Presentations	500 words	15 Nov 2011	15 Dec 2011	1 March 2012
Posters/Demonstrations	300 words	15 Apr 2012	*	not applicable
Special Interest Groups	500 words	15 Nov 2011	15 Dec 2011	1 March 2012
Tutorials	300 words	15 Nov 2011	15 Dec 2011	1 March 2012

\* Since frequently the intent of posters is to convey late-breaking scientific news and work in progress, they will be promptly peer reviewed as they are received.

### All submissions should be done through the website: [www.ahfe2012.org](http://www.ahfe2012.org)

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.

## Conference Organization

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