

 	<p>The 38th Annual Conference of the IEEE Industrial Electronics Society</p> <p>IECON' 2012</p>	 Le génie pour l'industrie
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Proposal for IECON 2012 Special Session

Send your proposal to the SS chairs

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Special Session on: **Assistive Technology on Human Factors**

Special Session Organizers (names and contact emails):

Prof. Hiroshi HASHIMOTO, (Japan), (IEEE IES TC HF), Japan, hashimoto@aiit.ac.jp
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Technical Outline of the Session (50 words) and Topics:

Realization of assistive technology to support high quality life requires not only considerations of the human factors including physical and mental but also employments of individual social background. Hence it is desired to fuse the technologies and knowledge from various fields, in order to realize a truly functioned assistive technology. Moreover the human assistive technologies have to provide appropriate services with adapting its functions to human motion and intention in a real time. Therefore, the organizers propose a Special Session to discuss some case studies with consideration based on human factors. The Special Session will focus on the following topics, but the related topics are also welcome.

- Assistive System
- Human System Interactions
- Sensing and Recognition of human motions and Intentions
- Adaptive System
- Industrial Applications
- Applications of human factors