



Special Session On

Robot Vision & Vision-based Blind Assistive Technologies

CALL FOR PAPER

Cairo, Egypt Nov. 28-30, 2014.

<http://www.egyptscience.net/AMLTA2014/SpecialSession.html>

Organized as a part of

The 2nd International Conference on Advanced Machine Learning Technologies and Applications (AMLTA14)

Organizer:

Mohammed A.-M.Salem
Faculty of Computer and Information Sciences, Ain Shams Univ., Egypt.
salem@cis.asu.edu.eg
Tel.: +2011 1727 1050

Session Committee:

- Ahmed Azer**
Banha University, Egypt
- Mohammed El-Helw,**
Nile University, Egypt
- Aboul Ella Hassanien,**
Cairo University, Egypt
- Alaa Khamis,**
Vestec, Inc, Canada
- Beate Meffert,**
Humboldt-Univ., Germany
- Farid Melgani,**
Trento University, Italy
- Elsayed Morgan,**
German University in Cairo, Egypt
- Mohamed Roushdy**
Ain Shams Univ., Egypt
- Ulrich Rueckert,**
Univ. Of Bielefeld,
- Stefan Rueger,**
ThOpen University,UK

Overview: The special session on Robot Vision and Vision-based Blind Assistive Technologies aims to bring together researchers and their work from different disciplines, such as Robot Vision, Machine Learning, Mobile Computing, Image Processing, Multimedia and Social Networks, Biomedical Engineering and Artificial Intelligence in order to find meeting points for cooperation and integration to provide advanced help for blind and visually impaired people. The workshop aims to present a state-of-the-art about the research advances, new technologies and applications in order to develop smart solutions to help the visually impaired in their routine tasks.

Topics of this session include but not limited to:

- | | |
|------------------------------------|---|
| Human - Robot Interaction | Scene Understanding |
| Safety and Security | Object Recognition & Tracking |
| Mobility Aids | Video summarization |
| Navigation Systems | Visual Attention and Visual Saliency |
| Technology for Cognition | Applications for the Visually Impaired |
| Mobile and Wearable Systems | Applications for the Ageing Society |
| Personalized Monitoring | Vision Systems for Autism Spectrum Disorder |
| Datasets and Evaluation Procedures | Understanding and Monitoring |

Paper Submission and Publications: Authors are invited to submit original research contributions. Normal length papers should be 6-8 pages, formatted in Springer's single column format (detailed instructions for submissions are given below). Submitted papers will be subject of peer review for quality, correctness, originality, and relevance. Authors of the best papers will be invited to extend their papers for inclusion in a special issue of the some journals indexed by SCOUPS and EI. Authors may use the online submission system hosted by EasyChair Conference System to submit their papers. Please read the Submission Instructions before submitting your work in the system. <https://www.easychair.org/conferences/?conf=amlta2014>

All accepted conference papers will be presented at the conference and included in the published proceedings by Springer's CCIS (Communications in Computer and Information Science) Series volume number (Approved). Please follow the instructions on Springer's LNCS webpage <http://www.springer.com/computer/lncs?SGWID=0-164-7-72376-0> when formatting to ensure that your paper is included in the proceedings.

Important Dates:

- | | |
|---------------------------------------|---|
| Deadline for paper submission: | June 30 th , 2014 |
| Notification of Acceptance: | August 10 th , 2014 |
| Deadline for Camera-ready Submission: | September 1 st , 2014 |
| Conference dates: | November 28 th - 30 th , 2014 |