

And more & More IAPR Technical Committee News

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IAPR TC12 Multimedia and Visual Information Systems

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Hugo Jair Escalante (INAOE and CINVESTAV, Mexico), Chair
Sergio Esclara (University of Barcelona, Spain), Vice Chair
Henning Müller (HES-SO, Sierre, Switzerland), Vice Chair
Albert Ali Salah (Utrecht University), Information Officer

 <https://www.linkedin.com/groups/8109409/>  https://twitter.com/IAPR_TC12

 **The ChaLearn ECCV'2022 Sign Spotting Challenge** was organised at ECCV to advance and motivate research on Sign Language Recognition (SLR). The challenge used a partially annotated continuous sign language dataset of more than 10 hours of video data in the health domain and addressed the challenging problem of fine-grain sign spotting in continuous SLR. The two competition tracks were Multiple Shot Supervised Learning (MSSL) and One Shot Learning and Weak Labels (OSLWL), which is a realistic variation of a one-shot learning problem adapted to the sign language task. The winning system for MSSL was the team from University of Surrey (R. Wong, N.C. Camgoz, R. Bowden), and for the OSLWL, the team from University of Science and Technology of China (H. Hu, L. Liu, W. Zhao, H. Wu, K. Wu, W. Zhou, and H. Li).

The associated **Open Challenges in Continuous Sign Language Recognition Workshop** was also organized at ECCV, with keynotes from Andrew Zissermann, Annelies Braffort, Lale Akarun, and Richard Bowden.

Challenge webpage: <http://chalearnlap.cvc.uab.es/challenge/49/description/>

Workshop webpage: <https://chalearnlap.cvc.uab.cat/workshop/50/description>



'Challenges for machine learning using medical data' lecture given by Prof. Henning Müller at the International AI Doctoral Academy (AIDA), a joint initiative of the European R&D projects AI4Media, ELISE, Humane AI Net, TAILOR, VISION, currently in the process of formation.


Lecture webpage: <https://www.i-aida.org/events/challenges-for-machine-learning-using-medical-data/>



'Introduction to computational analysis for behavioral and clinical sciences' tutorial given by Prof. Albert Ali Salah at the 10th International Conference on Affective Computing & Intelligent Interaction (ACII), Nara, Japan.

This tutorial aimed to introduce basic tools of human behavior analysis to students of both computer science and psychology, to enable collaborations between these disciplines. It included discussions of the different application areas, examples to illustrate the possibilities, as well as challenges and pitfalls of methodology.

Tutorial webpage: <https://acii-conf.net/2022/attend/tutorials/introduction-to-computational-analysis-for-behavioral-and-clinical-sciences/>

 Shifeng Zhang, Ajian Liu, Jun Wan, Yanyan Liang, Guodong Guo, Sergio Escalera, Hugo Jair Escalante and Stan Z. Li received the 2020 IEEE TBIOM Best Paper Award for their paper, "CASIA-SURF: A Large-Scale Multi-Modal Benchmark for Face Anti-Spoofing."

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