

ATHENS / GREECE

LABELS Large-scale Annotation of Biomedical Data and Expert Label Synthesis

Diana Mateus Technische Universität München











Schedule

- 14:00-14:10 Welcome (Organisers)
- 14:10-15:00 Introductory Keynote by Marco Loog, TU Delft
 Dealing with Weakly and Partially Annotated Data.

• 15:00-16:00 **Selected oral presentations** (12 min + 5 min questions each)

- Hierarchical Feature Extraction for Nuclear Morphometry-based Cancer Diagnosis. Chi Liu*, Carnegie Mellon University
- Playsourcing: A Novel Concept for Knowledge Creation in Biomedical Research. Shadi Albarqouni*, Technische Universität München, Germany
- Focused Proofreading to Reconstruct Neural Connectomes from EM Images at Scale.Stephen Plaza*, Janelia Research Campus, HHMI
- 16:00-16:30 **Break**
- 16:30-17:15 Keynote by Prof. Pascal Fua, EPFL
 Domain Adaptation for Microscopy Imaging
- 17:15-18:00 **Poster session and Demos**

(Also including oral papers + possibility to run demos on computers)



Geography of LABELS accepted papers



Technische Universität München

WHITING SCHOOL of ENGINEERING





LABELS - MICCAI 2016





LABELS - MICCAI 2016





LABELS - MICCAI 2016





October 21, 2016 Slide 7

VS





LABELS - MICCAI 2016



LABELS - MICCAI 2016

SA







LABELS - MICCAI 2016

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Dealing with Weakly and Partially Annotated Data

Prof. Marco Loog

Pattern Recognition Laboratory TU Delft, The Netherlands University of Copenhagen

Short bio

M.Sc. degree in mathematics from Utrecht University and a

Ph.D. degree from the Image Sciences Institute.

Copenhagen associate professor, next to which he worked at Nordic Bioscience.

Pattern Recognition Laboratory at Delft University of Technology.

He is also an honorary professor in pattern recognition at the University of Copenhagen.



Keynote: Domain Adaptation for Microscopy Imaging

Prof. Pascal Fua Computer Vision Laboratory EPFL Switzerland

Short bio

Pascal Fua received an engineering degree from Ecole Polytechnique, Paris, in 1984

and the Ph.D. degree in Computer Science from the **University of Orsay in 1989**.

He joined **EPFL (Swiss Federal Institute of Technology) in 1996** where he is now a Professor in the School of Computer and Communication Science.

Before that, he worked at **SRI International and at INRIA Sophia-Antipolis** as a Computer Scientist. His research interests include shape modeling and motion recovery from images, analysis of microscopy images, and Augmented Reality. He has (co)authored over 300 publications in refereed journals and conferences. He is an IEEE Fellow and has been an Associate Editor of IEEE journal Transactions for Pattern Analysis and Machine Intelligence. He often serves as program committee member, area chair, and program chair of major vision conferences and has cofounded two spinoff companies.







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