



COST Action IC1105: 3D-ConTourNet

Short Term Scientific Missions (STSM)

Jürgen Seiler (STSM Coordinator)

juergen.seiler@FAU.de

Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU)
Chair of Multimedia Communications and Signal Processing

Objective:

- Promoting exchange visits between different institutions
- Foster collaboration between researchers
- Strengthen networks of transnational researchers

Duration:

- 1 week – 3 months

STSM Evaluation Board

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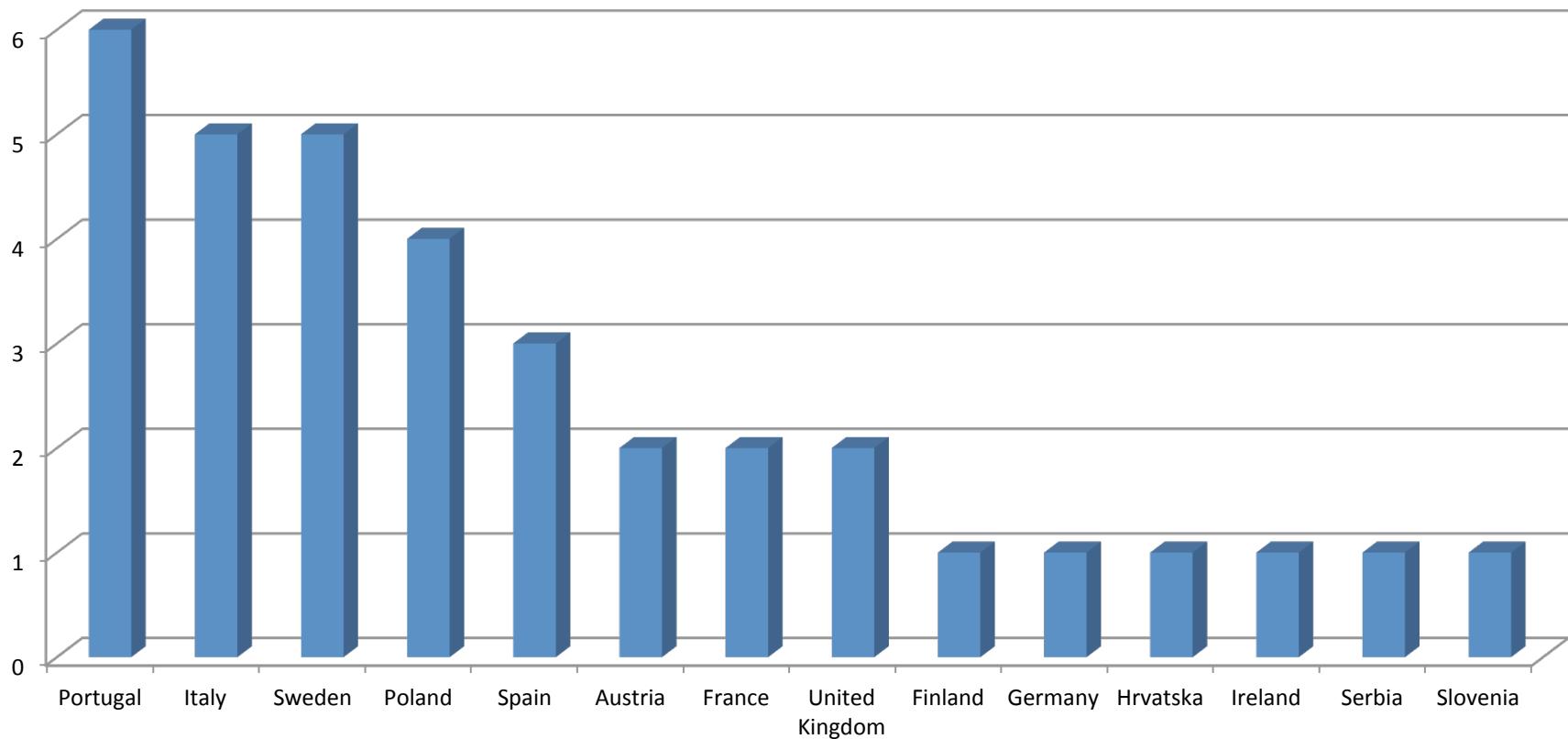
- Jürgen Seiler [DE] (Coordinator)
- Marek Domanski [PL]
- Lucian Mocanu [RO]
- Paulo Nunes [PT]
- Mårten Sjöström [SE]

STSM Statistics

	2013	2014	2015	2016	Overall
Number of STSM	9	8	12	6	35
Average duration	3.5 weeks	4.4 weeks	2.4 weeks	2.6 weeks	3.2 weeks
Average budget	2183 €	2288 €	1832 €	2320 €	2110 €
Requested budget	19650 €	18300 €	21980 €	13920 €	73850 €

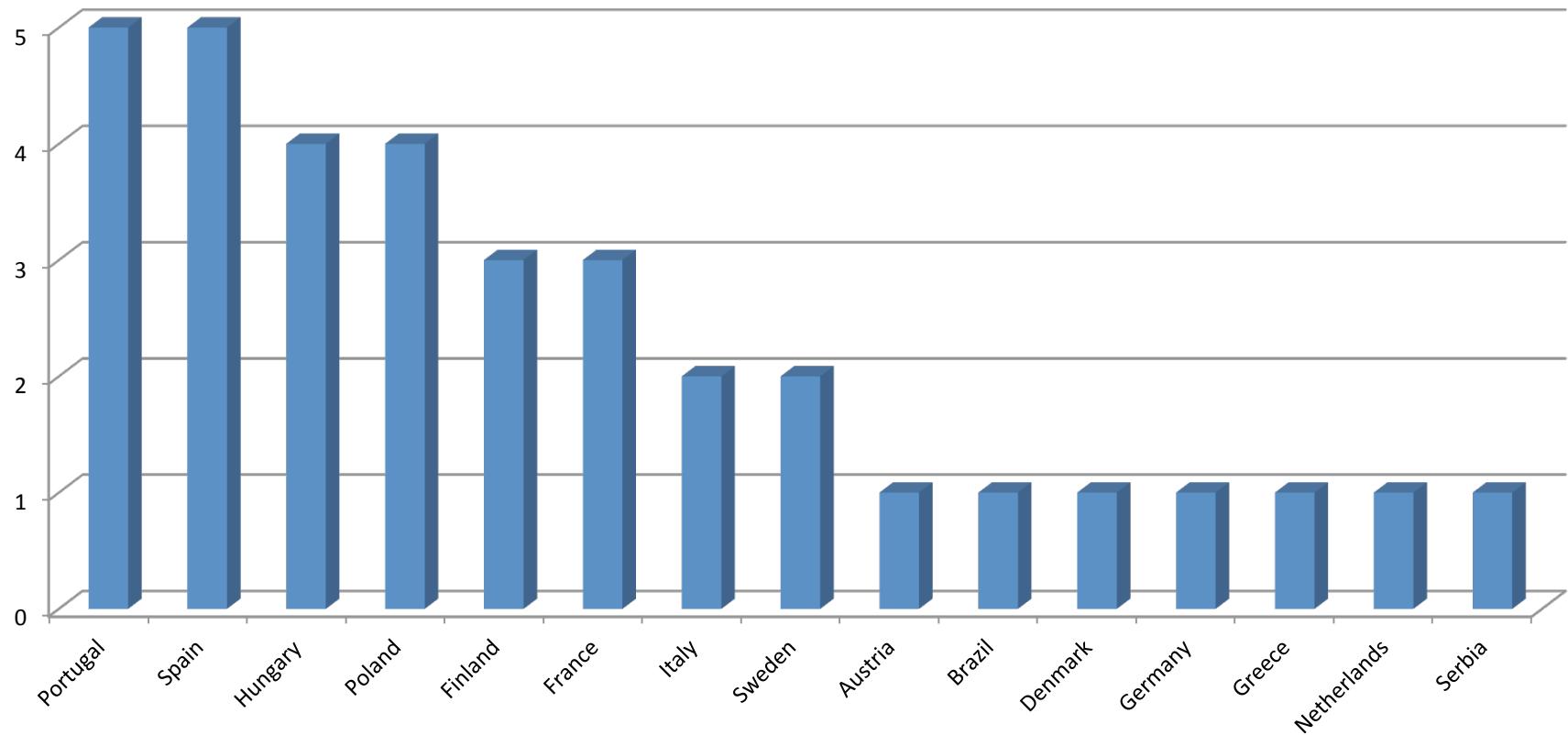
STSM Statistics

STSM by Home Country:



STSM Statistics

STSM by Host Country:



STSM Topics

- Aleksander Valjamae: Studying the emotional modulation of 3D sound-based enhancement of circularvection
- Aleksander Valjamae: Studying the emotional modulation of 3D sound-induced circularvection
- Antoine Dricot: Subjective evaluation of Super Multi-View (SMV) compressed contents on high-end 3D displays
- Caroline Conti: Application of High-Efficiency Video Coding on Light-Field 3D video content
- Cristian Perra: Coding and transmission of 3D video content
- Cristian Perra: Robust coding of holoscopic video for heterogeneous networks
- Daniel Moreno: Adaptation of 3D Reconstruction based on printing materials
- Dragana Djordjevic: Modeling of the effects of 3D visual discomfort to human emotional state using data mining technique
- Elijs Dima: Camera synchronization in multidimensional capture arrays
- Emil Dumić: Objective 3DTV metrics research
- Emilie Bosc: 3D Quality of Experience: a focus on visual discomfort
- Evgeny Belyaev: Real-time coding of 3D light fields based on 3D wavelets
- Hana Khamfroush: Network Coded Cooperation for Time-Sensitive Content
- Janko Calic: QoE aspects of 2D to 3D conversion of photos
- Janko Calic: Quality of Experience in 3D panoramic photography
- Klemen Peternek: Contextual aspects of Quality of Experience (QoE)
- Krzysztof Wegner: Processing and displaying of natural content on super multiview / light field displays
- Krzysztof Wegner: Compression of Light Field Images with help of 3D-HEVC
- Luis Lucas: Multiview video codec design
- Maciej Kurc: Time-of-Flight camera calibration and data processing
- Marcus Bednara: Sensor fusion for 3D content generation on embedded systems

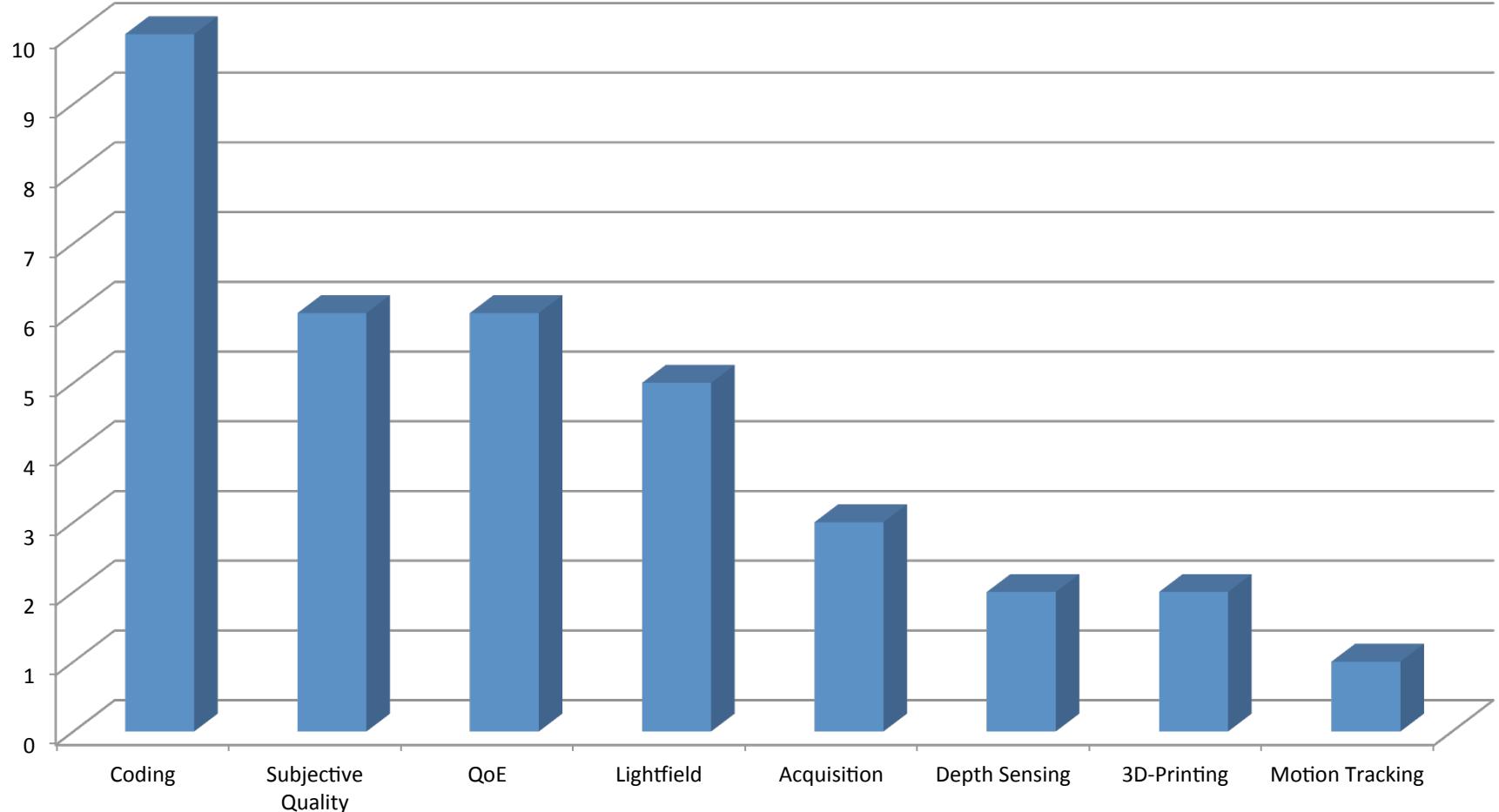
STSM Topics

- Mattia Bonomi: Emotions extraction from videos using video magnification algorithm and cardiac activity measures
- Miguel Barreda Ángeles: Exploring the effects of visual discomfort on 3DTV viewers' emotional experience
- Miguel Barreda Ángeles: Cognitive Biases in the Assessment of 3D Image Quality of Experience
- Milad Mehrfam: Systematic comparison of 3D Solutions for 3D Scanning and Motion Capture, plus developing a Standard setup
- Mitra Damghanian: Evaluation of the plenoptic camera using a model based approach
- Nelson Francisco: Video codec design and assessment colaboration
- Pedro Correia: Advanced MDC techniques for 3D and multiview video coding
- Philipe Becquet: Impact Enhancement, Systematic Dissemination and Outreach for 3D content capture analysis and delivery
- Pradip Paudyal: Watermarking in Light Field Images
- Pradip Paudyal: Creation of a Light Field (LF) database for LF image quality assessment
- Ricardo Monteiro: Frame compatible formats for light-field video
- Sebastian Schwarz: Time-of-Flight depth sensing for 3D content generation
- Tao Wei: Evaluating the performance of skeleton fusion of Multiple Kinects for 360 degree motion tracking
- Tomasz Grajek: Compression of Light Field Images with help of 3D-HEVC

→ Short overviews:

<http://www.3d-contournet.eu/stsms/granted-stsm/>

STSM Topics



STSMs in 3D-ConTourNet

35 STSM
Short
Term
Scientific
Missions



Rio de Janeiro



Conclusion

- 35 STSM carried out
- 3D-ConTourNet objectives represented in STSM topics
- Inline with COST mission
- Origins and destinations of STSM applications slightly unbalanced