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IEEE Visualization and Graphics Technical
Committee

State of the Art Reports

STARs Co-Chairs

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Foreword

The State-of-the-Art Reports (STAR) track for the EuroVis conference is now in its third year. As in previous years, STARS were intended to provide up-to-date and comprehensive surveys on topics of interest to the visualization research community. Therefore, we have encouraged the submission of STARS on topics that have not yet been covered in any recent previous STAR or other survey. These reports should contain new taxonomies and novel organization of the visualization research. Furthermore, a STAR would be considered valuable if it serves as an entry point into a particular research direction for an unexperienced researcher. Apart from the topics to be handled, the STAR submission procedure has undergone two changes for this year's EuroVis. For the first time, all accepted EuroVis 2016 STARS will be published in Computer Graphics Forum. Furthermore, as part of the acceptance process into Computer Graphics Forum, STARS will undergo a multi-stage review process. First, authors were asked to submit an initial sketch. A STAR sketch briefly describes the planned STAR by outlining the topic, discussing its relevance for the visualization community, providing the planned structure and outline of the STAR together with all key references, and short biographies of the authors. The length of such a STAR sketch was limited to three pages, and the content was reviewed by the STAR co-chairs. Based on a subsequent discussion the sketch authors have received one out of three possible indications: strongly encourage submission, encourage submission, or discourage submission. Independent of these indications, all STAR authors were able to prepare and submit a full 25 page STAR submission, which would then undergo a single blind, double cycle review process, similar to the one for the EuroVis papers track. For all full STAR submissions, we have identified three external experts who have conducted a single blind review.

Initially, we have received 52 STAR sketches, out of which we have received 21 full STAR submissions. After the described review process, finally 10 STARS were accepted to be published in Computer Graphics Forum and to be presented at EuroVis. Additionally, 4 STARS have been selected for a fast track submission to Computer Graphics Forum. The accepted STARS cover technical topics, such as in-situ methods and web-based visualization, emphasis in information visualization, perceptual aspects of medical visualization, as well as how to visualize cartograms – just to name a few. We are happy about the high quality of all accepted reports, and feel that they reflect the growth and breadth of our area very well. So we would like to encourage all to attend the STAR sessions, and learn about one of the covered fields.

We thank the authors of all submitted STARS for their interest in the EuroVis STAR track and for their excellent quality submissions. Moreover, we would like to give credit to all reviewers, who have done an excellent job. Their alphabetical listing is below. We hope that interested readers find these reports to be enjoyable and inspiring, possibly stimulating their own research agenda.

Ross Maciejewski, Timo Ropinski, Anna Vilanova
EuroVis STAR Co-Chairs

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