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State of the Art Reports

STARs Chairs

Miriah Meyer (University of Utah, USA)
Shigeo Takahashi (University of Aizu, Japan)
Anna Vilanova (TU Delft, the Netherlands)

Foreword

The State-of-the-Art Reports (STAR) track for the EuroVis conference is now in its fourth 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 STARS 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. This year, we newly organized an International Program Committee specifically for the STAR track, by inviting experts that covered the various relevant research areas of Visualization. This change significantly improved the quality of the entire review process. All accepted EuroVis 2017 STARS will be published in Computer Graphics Forum. As part of the acceptance process into Computer Graphics Forum, STARS 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 the main text of the STAR sketch was limited to two pages. The content was reviewed by one assigned IPC member per sketch. The sketch authors 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 assigned two IPC members one as primary and one as secondary, which were not necessarily the IPC member that reviewed the sketch. Each of them invited one external expert to review the paper. The primary and two external reviewers then conducted a single blind review for each STAR submission. The secondary has performed reviews of the STAR if requested by the primary.

Initially, we have received 26 STAR sketches, out of which we have received 13 full STAR submissions. After the described review process, finally 5 STARS were accepted to be published in Computer Graphics Forum and to be presented at EuroVis 2017. Additionally, 2 STARS have been selected for a fast track submission to Computer Graphics Forum. The accepted STARS cover technical topics, such as visualization for materials sciences, edge and trail bundling techniques, predictive visual analytics, visual analytics of social media, and visualization of survey papers. 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 IPC members and reviewers, who have done an excellent job and defined the quality of this track. Their alphabetical listing is below. We hope that interested readers find these reports to be enjoyable and inspiring, possibly stimulating their own research agenda.

Miriah Meyer, Shigeo Takahashi, Anna Vilanova
EuroVis STAR Co-Chairs

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Zhang, Yue, Oregon State University, USA

Author Index

Chen Siming	563	Hurter Christophe	619	Maciejewski Ross	539
Garcia Rolando	539	Laramée Robert S.	589	McNabb Liam	589
Gleicher Michael	539	Lhuillier Antoine	619	Stappen Stefan	647
Hansen Brett	539	Lin Lijing	563	Telea Alex	619
Heinzl Christoph	647	Lu Yafeng	539	Yuan Xiaoru	563

TABLE OF CONTENTS

ST1

<i>The State-of-the-Art in Predictive Visual Analytics</i>	539
Yafeng Lu, Rolando Garcia, Brett Hansen, Michael Gleicher, and Ross Maciejewski	

ST2

<i>Social Media Visual Analytics</i>	563
Siming Chen, Lijing Lin, and Xiaoru Yuan	

ST3

<i>Survey of Surveys (SoS) - Mapping The Landscape of Survey Papers in Information Visualization</i>	589
Liam McNabb and Robert S. Laramée	
<i>State of the Art in Edge and Trail Bundling Techniques</i>	619
Antoine Lhuillier, Christophe Hurter, and Alex Telea	

ST4

<i>STAR: Visual Computing in Materials Science</i>	647
Christoph Heinzl and Stefan Stappen	