

**EuroVis 2018**  
**Eurographics / IEEE VGTC Conference on Visualization 2018**

Brno, Czech Republic  
June 4 – 8, 2018

---

Organized by



EUROGRAPHICS  
THE EUROPEAN ASSOCIATION  
FOR COMPUTER GRAPHICS



IEEE Visualization and Graphics Technical Committee

---

## Posters

### Posters Co-Chairs

Anna Puig, Universitat de Barcelona, Spain  
Renata Georgia Raidou, TU Wien, Austria

Published by  
*The Eurographics Association*  
ISBN 978-3-03868-065-9

## Table of Contents

### Posters

CV3: Visual Exploration, Assessment, and Comparison of CVs .....	1
<i>Velitchko Andreev Filipov, Paolo Federico, and Silvia Miksch</i>	
Extending Document Exploration with Image Retrieval: Concept and First Results .....	5
<i>Lin Shao, Mathias Glatz, Eric Gergely, Markus Müller, Denis Munter, Stefan Papst, and Tobias Schreck</i>	
Visually Exploring Data Provenance and Quality of Open Data .....	9
<i>Christian Bors, Theresia Gschwandtner, and Silvia Miksch</i>	
Case Studies of Shareable Personal Map Visualization .....	13
<i>Puripant Ruchikachorn</i>	
An Eye-Tracking Study on Sparklines within Textual Context .....	17
<i>Puripant Ruchikachorn and Pimmanee Rattanawicha</i>	
Network Analysis for Financial Fraud Detection .....	21
<i>Roger A. Leite, Theresia Gschwandtner, Silvia Miksch, Erich Gstrein, and Johannes Kuntner</i>	
Validation of Quantitative Measures for Edge Bundling by Comparing with Human Feeling .....	25
<i>Ryosuke Saga</i>	
ViMEC: Interactive Application for Micro-Cluster Visualizations .....	29
<i>Florian Schmidt and Yannick Ehrenfeld</i>	
Exploring Uncertainty in Image Segmentation Ensembles .....	33
<i>Bernhard Fröhler, Torsten Möller, Johannes Weissenböck, Hans-Christian Hege, Johann Kastner, and Christoph Heinzl</i>	
Supporting Visual Parameter Analysis of Time Series Segmentation with Correlation Calculations .....	37
<i>Christian Eichner, Heidrun Schumann, and Christian Tominski</i>	
The Impact of Visualizing Uncertainty on Train Trip Selection .....	41
<i>Marcel Wunderlich, Kathrin Ballweg, and Tatiana von Landesberger</i>	
Categorizing Uncertainties in the Process of Segmenting and Labeling Time Series Data .....	45
<i>Markus Bögl, Christian Bors, Theresia Gschwandtner, and Silvia Miksch</i>	
Visual Analysis of Sentiment and Stance in Social Media Texts .....	49
<i>Kostiantyn Kucher, Carita Paradis, and Andreas Kerren</i>	
Towards Natural Language Empowered Interactive Data Analysis .....	53
<i>Cagatay Turkay and Rafael Henkin</i>	
A Visual Comparison of Hand-Drawn and Machine-Generated Human Metabolic Pathways .....	57
<i>Hsiang-Yun Wu, Martin Nöllenburg, and Ivan Viola</i>	

## **Preface**

The posters track of EuroVis called for late-breaking results, work in progress, and follow-up extensions, application case studies, or evaluations of existing methods. Each poster abstract was reviewed by experts from the International Program Committee. We followed a double-blind one-stage process, and had two reviews for each submission. After careful consideration of all reviews, the final acceptance was decided by the posters co-chairs. This year, we accepted 15 out of 21 submissions for an acceptance rate of 71.4%. The posters are presented during the poster reception of the conference. We thank all authors for their hard work put into the submissions and all committee members for their dedicated time and expertise.

Anna Puig and Renata Georgia Raidou

### **International Programme Committee**

Lonni Besancon, Université Paris Saclay, France  
Tanja Blascheck, INRIA, Gif-sur-Yvette, France  
Alexander Bornik, LBI CFI, Austria  
Alexandra Diehl, University of Konstanz, Germany  
Markus Hadwiger, Visual Computing Center, KAUST, Saudi Arabia  
Thomas Hoellt, Computer Graphics and Visualization, TU Delft, Netherlands  
Michael Krone, Visualization Research Center, University of Stuttgart, Germany  
Rafael Martins, Linnaeus University, Sweden  
Kresimir Matkovic, VRVis Research Center, Austria  
Renato Pajarola, Department of Informatics, University of Zürich, Switzerland  
Thomas Schultz, University of Bonn, Germany  
Noeska Smit, University of Bergen, Norway  
Pere-Pau Vazquez, VIRVIG Group, Universitat Politècnica de Catalunya, Spain  
Manuela Waldner, TU Wien, Austria  
Johannes Weißenböck, FH Wels, Austria  
Michel Westenberg, Eindhoven University of Technology, Netherlands  
Hsiang-Yun Wu, TU Wien, Austria

## Author Index

Ballweg, Kathrin .....	41	Miksch, Silvia .....	1, 9, 21, 45
Bögl, Markus .....	45	Moeller, Torsten .....	33
Bors, Christian .....	9, 45	Müller, Markus .....	5
Ehrenfeld, Yannick .....	29	Munter, Denis .....	5
Eichner, Christian .....	37	Nöllenburg, Martin .....	57
Federico, Paolo .....	1	Papst, Stefan .....	5
Filipov, Velitchko Andreev .....	1	Paradis, Carita .....	49
Fröhler, Bernhard .....	33	Rattanawicha, Pimmanee .....	17
Gergely, Eric .....	5	Ruchikachorn, Puripant .....	13, 17
Glatz, Mathias .....	5	Saga, Ryosuke .....	25
Gschwandtner, Theresia .....	9, 21, 45	Schmidt, Florian .....	29
Gstrein, Erich .....	21	Schreck, Tobias .....	5
Hege, Hans-Christian .....	33	Schumann, Heidrun .....	37
Heinzl, Christoph .....	33	Shao, Lin .....	5
Henkin, Rafael .....	53	Tominski, Christian .....	37
Kastner, Johann .....	33	Turkay, Cagatay .....	53
Kerren, Andreas .....	49	Viola, Ivan .....	57
Kucher, Kostiantyn .....	49	Weissenböck, Johannes .....	33
Kuntner, Johannes .....	21	Wu, Hsiang-Yun .....	57
Landesberger, Tatiana von .....	41	Wunderlich, Marcel .....	41
Leite, Roger A. ....	21		