State-of-the-Art Reports: Editorial

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The annual EUROGRAPHICS conference includes several very interesting tracks, of which the *State-of-the-Art Reports* (STARs) has proved to be consistently popular. The reports in this track survey topic areas that have not been covered before, at least not recently, and allow interested readers to quickly gain an overview as well as a first understanding of the related research in the covered areas.

For the EUROGRAPHICS 2010 conference we received an unusually large number of proposals, namely 23, dealing with as many different topics. During the last years, the conference usually contained six STAR presentations. In collaboration with the conference organizers we were able to increase the size of this programme to eight presentations in 2010. Despite this increase, we regret that we had to reject some good proposals due to space constraints. Unfortunately, due to unforeseen circumstances one of the author teams was not able to submit their final report on time.

This means that we are now able to proudly present seven exciting state-of-the-art reports on the topics of *shape correspondence*, *procedural noise functions*, *visual analysis of large graphs*, *topology-based visualisation of unsteady flow*, *image statistics*, *real-time hard shadow mapping*, and *simplex and diamond hierarchies*, that remained successful during a very competitive peer reviewing process and that are presented by experts in their field.

We thank the expert reviewers for helping with the selection process. We have found that by strictly following their advice and selecting the highest ranked proposals, we were able to construct a programme that is varied, timely and high quality. We also thank the conference organizers for their help in accommodating more STAR presentations in this year's programme.