

Call for Contributions: 5th International Symposium on Non-Photorealistic Rendering and Animation (NPAR 2007)

NPAR 2007 is the 5th international symposium dedicated to non-photorealistic animation and rendering in cooperation with ACM SIGGRAPH and Eurographics. For the first time in 2007 it will be co-located with SIGGRAPH in San Diego. The idea is to raise the attention for this important field, to open it to new people from academia, arts, and industry. Once again NPAR will bring together researchers and practitioners to showcase cutting-edge research in non-photorealistic animation and rendering systems and techniques.

Non-photorealistic animation and rendering (NPAR) refers to techniques for visually communicating ideas and information. Such techniques usually generate imagery which is expressive, rather than “photorealistic.” We seek new research on both the mechanisms of non-photorealistic rendering techniques as well as the principles of visual communication via such artistic rendering. Specific themes of the conference include, but are not limited to:

- Simulation of traditional & new graphical styles
- Simulation of natural media
- Sketch-based interfaces for editing shape, stylization, or motion
- Hardware-accelerated algorithms
- Level-of-detail in image space
- Abstraction & composition in rendered images
- Synthesis of stroke-based patterns
- Style transfer
- Automatic painting from photographs and video
- Temporal & spatial coherence in non-photorealistic rendering
- Motion blur and depth of field in non-photorealistic images
- Lighting models for NPAR
- Non-traditional perspective
- Animation systems
- Computer-aided cartoon animation
- 2D/3D integration
- Live-action integration
- Computer-aided in-betweening
- Computer-aided layout
- Matting & compositing
- Image-based rendering
- Rendering languages & systems
- NPAR-based information visualization
- Interaction techniques for NPAR

Papers

We invite researchers and practitioners of all areas connected to non-photorealistic animation and rendering to submit papers. Full-length papers are the primary medium for conveying new research results at the NPAR symposium. Submissions are sought that describe original, unpublished work on all themes listed above. Paper submissions should be at most 5000 words or 10 ACM conference pages in length. The title page should include an abstract (fewer than 200 words) and keywords. The submission is electronic in PDF format; supplemental video may also be submitted. Submission is single-blind, so papers may be submitted in “camera-ready” format. We recommend that prospective authors consult the SIGGRAPH publications page for information on paper formatting for paper submissions. The accepted papers will be published in the conference proceedings by ACM SIGGRAPH and will be available online via the ACM Digital Library.

Posters

Please submit a 1 page PDF file describing your project, and optionally additional files such as a video and/or images. There are no particular requirements regarding the form of your submission (e. g., a short paper containing a brief description of the work or a replica of the actual poster).

Website: <http://www.npar.org/2007/>

Important dates:

Abstract submission deadline:	April 6, 2007
Submission deadline:	April 9, 2007
Acceptance notification:	May 14, 2007
Camera-ready deadline:	May 21, 2007
Poster submission deadline:	May 28, 2007
Poster acceptance notification:	June 8, 2007
Conference:	August 4–5, 2007

Conference Chair:

Bruce Gooch, Univ. of Victoria, Canada

Program Chairs:

Maneesh Agrawala, Univ. of California Berkley, USA
Oliver Deussen, Univ. of Konstanz, Germany

Poster Chairs:

Adam Finkelstein, Princeton University, USA
Joëlle Thollot, INRIA Rhône-Alpes, France
Ying-Qing Xu, Microsoft Research Asia, China

Publicity Chair:

Tobias Isenberg, Univ. of Calgary, Canada