

Education

Steve Cunningham Domingo Martín Perandrés (Editors)

Published by *The Eurographics Association* ISSN: 1017-4656



Preface

Eurographics has a long and proud tradition in computer graphics education, going back to the beginnings of the Association. This education work has been carried out through a number of workshops over the years. Some of these workshops have been held in conjunction with the annual Eurographics conference, and several conferences have had papers of panels that deal with education, but 2003 marks the first time that the annual conference has included a formal programme dealing with education. We appreciate the vision of the conference organisers and Eurographics leadership in including this programme in 2003.

We are pleased to present the following set of papers on computer graphics education to the Eurographics community. They include papers on

- An interactive tutorial on computer graphics algorithms.
- A virtual laboratory for group work in computer graphics education, with an eye on distance learning.
- A discussion of 3D virtual environments for constructivist teaching and learning.
- Issues in designing interaction for Web-based teaching.
- A presentation on a Eurographics/SIGGRAPH repository for refereed content for computer graphics education.

We believe that you will find that these papers can give you some interesting ideas on your own teaching. We hope they will lead to more discussion and publication on teaching within Eurographics the broader computer graphics community.

Eurographics 2003 Education Programme Chairs

Steve Cunningham & Domingo Martín Perandrés

i



International Education Programme Committee

Steve Cunningham USA
Domingo Martín Spain

Judy Brown USA Dena Elisabeth Eber USA Joaquim A. Jorge Portugal Frank Hanisch Germany Werner Hansmann Germany Nick Holliman UK Lars Kjelldahl Sweden Tony Longson USA Beatriz Sousa Portugal Portugal Luis Paulo Santos

Portugal

José Carlos Teixeira

Author Index

Dena E. Eber	29
Frederico C. Figueiredo	29
Rong Gao	
F. Hanisch	23
Weihua Hu	7
N. Jensen.	
Joaquim A. Jorge	29
Cunhui Ju	
Yanfeng Li.	7
Hung Pak Lun.	1
Zhigeng Pan	
L. W. Pettersson	17
S. Seipel	17
W. Straßer.	
Jiejie Zhu	7

Table of Contents

Interactive Learning of Computer Graphics AlgorithmsZhigeng Pan, Hung Pak Lun, Rong Gao	1
Learning by doing: A Case for Constructivist 3D Virtual Learning Environment Weihua Hu, Jiejie Zhu, Zhigeng Pan, Yanfeng Li, Cunhui Ju	7
A Virtual Laboratory for Computer Graphics Education L. W. Pettersson, N. Jensen, S. Seipel	17
Drag & Drop Scripting: How To Do Hypermedia Right F. Hanisch, W. Straßer	23
A Refereed Server for Educational CG Content	29