

LAKS RAGHUPATHI

Lab

GRAVIR/INRIA Rhône-Alpes

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Home

14, Rue des Fleurs

38000, Grenoble, France

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EDUCATION

Institut National Polytechnique de Grenoble (INPG)

Ph.D. candidate in Image, Vision and Robotics

Grenoble, France

2003-

University of Texas at Arlington (UTA)

M.S., Electrical Engineering with *thesis* (GPA 3.78)

Arlington, TX, USA

2002

Birla Institute of Technology and Science (BITS)

B.E.(Hons.), Electrical and Electronics (GPA 3.56)

Pilani, India

1999

EXPERIENCE

Research Student

Project EVASION, INRIA Rhône-Alpes

Feb '03 - Present

Montbonnot, France

System Administrator (part-time)

GRAVIR laboratory, INRIA Rhône-Alpes

Oct '03 - Present

Montbonnot, France

Graduate Research Assistant

Virtual Environment Lab, UT Arlington

Sept '00 - Dec '02

Arlington, TX, USA

Programmer Analyst

Cognizant Technology Solution

June '99 - June '00

Chennai, India

Intern

Texas Instruments India

June '98 - Dec '98

Bangalore, India

SKILLS

Languages: C, C++, Visual C++

OS: Linux and Windows system admin (installation & maintenance)

Graphic APIs: OpenGL, Visualization Tool Kit, GLUT, Qt

Others: MATLAB, L^AT_EX, MS Office

PUBLICATIONS

M. Teschner, S. Kimmerle, B. Heidelberger, G. Zachmann, L. Raghupathi, A. Fuhrmann, M.-P. Cani, F. Faure, N.-M. Thalmann, W. Strasser and P. Volino, "Collision Detection for Deformable Objects", in *Proc. Eurographics State-of-the-Art-Reports '04*, pp. 119-139, Eurographics Association, 2004

L. Raghupathi, L. Grisoni, F. Faure, D. Marchal, M.-P. Cani and C. Chaillou, "An Intestine Surgery Simulator: Real-Time Collision Processing and Visualization", *IEEE Transactions on Visualization and Computer Graphics*, vol. 10, No. 6, pp. 708-718, Nov/Dec 2004

L. Raghupathi, V.Cantin, F. Faure and M.-P. Cani, "Real-time Simulation of Self-collisions for Virtual Intestinal Surgery", in *Surgery Simulation and Soft Tissue Modeling*, pp. 15-26, LNCS No. 2673, Springer, Heidelberg, 2003

L. Raghupathi et al., "Simulation of Special Visual Effects for Virtual Laparoscopic Surgery", *Proc. Medicine Meets Virtual Reality '03*, pp. 1-3. IOS Press, Amsterdam

L. Raghupathi et al., "Simulation of bleeding during laparoscopic herniorrhaphy", *Proc. Medicine Meets Virtual Reality '02*, pp. 382-387, IOS Press, Amsterdam.

OTHER INFO

- * Member of Tau Beta Pi and Eta Kappa Nu honor societies, IEEE & ACM
- * Top 25 rank in High School final exam, Member of Student Committee for Academic Activities at BITS, Grad School Fellowship at UTA
- * Reviewer for Eurographics '03, Dagstuhl Scientific Visualization '03
- * Student Volunteer for Visualization Symposium '03, SIGGRAPH '04
- * Organizing Committee Eurographics '04
- * Indian citizen with near-native English fluency and passable French

REFERENCES

Available upon request.