

L A K S R A G H U P A T H I

Coordonnées professionnelles

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É d u c a t i o n

Institut National Polytechnique de Grenoble (INPG) Doctorant (Imagerie, Vision et Robotique)	Grenoble, France 2003-
Université du Texas à Arlington (UTA) M.S., Electrical Engineering avec <i>these</i> (GPA 3.78)	Arlington, TX, USA 2002
Birla Institute of Technology and Science (BITS) B.E., Electrical and Electronics avec <i>mention</i> (GPA 3.56)	Pilani, Inde 1999

E x p é r i e n c e

Doctorant <i>Projet EVASION</i>	Jul. '03 - Montbonnot, France
Administrateur Système (temps-partielle) <i>Labo GRAVIR</i>	Oct. '03 - Jul. '04 Montbonnot, France
Graduate Research Assistant <i>Virtual Environment Lab</i>	Sept. '00 - Dec. '02 UT Arlington, USA
Programmeur Analyste <i>Cognizant Technology Solution</i>	Juin '99 - Juin '00 Chennai, Inde
Stagiaire <i>Texas Instruments India</i>	Juin - Dec. '98 Bangalore, Inde

C o m p é t e n c e s I n f o r m a t i q u e s

Programmation: C, C++, Visual C++, HTML

Systèmes d'exploitation: Linux et Windows administration de système

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

Miscellaneous: Boost Graph Library, KDevelop, MAPLE, MATLAB, L^AT_EX, Microsoft Office

P u b l i c a t i o n s

G. Zachmann, M. Teschner, S. Kimmerle, B. Heidelberger, L. Raghupathi, A. Fuhrmann, "Real-Time Collision Detection for Dynamic Virtual Environments", *Proc. IEEE Virtual Reality '05 Tutorials*, Bonn, Germany, March 2005

M. Teschner, S. Kimmerle, B. Heidelberger, G. Zachmann, L. Raghupathi, A. Fuhrmann, M.-P. Cani, F. Faure, N.-M. Thalmann, W. Strasser, P. Volino, "Collision Detection for Deformable Objects", *Computer Graphics Forum*, Volume 24, Number 1, page 61-81 - March 2005

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*

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*, 2004

L. Raghupathi, V. Cantin, F. Faure, M.-P. Cani, "Real-time Simulation of Self-Collisions during Virtual Intestinal Surgery", To be presented at the *International Conference on Surgery Simulation and Soft-Tissue Modeling, Juan-Les-Pins, FRANCE*, June 12-13, 2003, *Lecture Notes in Computer Science*, Springer-Verlag

L. Raghupathi, V. Devarajan, et al., "Simulation of Special Visual Effects for Virtual Laparoscopic Surgery", *Proc. Eleventh Medicine Meets Virtual Reality Conference, Newport Beach, CA*, pp. 1-3, IOS Press, Amsterdam, 2003

L. Raghupathi, V. Devarajan, R. Eberhart, D. Jones, "Simulation of bleeding during laparoscopic herniorrhaphy", *Proc. Tenth Medicine Meets Virtual Reality Conference, Newport Beach, CA*, pp. 382-387, IOS Press, Amsterdam, 2002

A u t r e s I n f o r m a t i o n s

Membre du "Committee of Students for Academic Activities" à BITS, Pilani

Graduate School Fellowship à UTA

Membre du Tau Beta Pi and Eta Kappa Nu (Engineering Honor Societies) IEEE, ACM

R é f é r e n c e s

Disponible sur demande.