

Vineet Gandhi

Indian, Married, born 30 Sept 1987 (27 years).

655 avenue de l'Europe
38334, Montbonnot, France

E-mail : gandhivineet@gmail.com

Webpage : imagine.inrialpes.fr/people/vgandhi/

Tél. (mobile) : (+33) 07 60 68 45 77



Areas of Interest

- Visual detection, tracking and recognition
- Computational photography/videography/cinematography
- Mathematics of signal and image processing
- Multiple sensor fusion for depth estimation

Work Experience

- Oct 2011 (ongoing)** **Doctoral Researcher**, Imagine Team, INRIA, Grenoble, France
- recorded dress rehearsals of plays at Célestins, Théâtre de Lyon
- designed generative models for actor detection and naming
- proposed a new offline method for long term tracking of actors/objects
- proposed an entirely new approach for video editing using just a single viewpoint
- Jan 2011 (6 months)** **Research Intern**, Perception Team, INRIA, Grenoble, France
- designed a new method for dense stereo reconstruction using fusion of time-of-flight and stereo color cameras
- June 2010 (3 months)** **Research Intern**, Xerox research center europe, Grenoble, France
- analyzed the impact of noise in training data for large scale image categorization and worked on methods for automated removal of such noise
- Apr 2008 (3 months)** **Summer Intern**, Emantras Mlab, Gurgaon, India
- worked on ideation, design and programming of flash games and puzzles
- Dec 2007 (6 months)** **Solution Architect**, Government of Madhya Pradesh, India
- designed and implemented e-governance solution "Samadhan Jabalpur", first service in India for online processing and delivery of government certificates

Education

Degrees

- 2011 – 14** **Ph.D.** (*Computer science and applied mathematics*), University of Grenoble.
Thesis advisor: Dr. Remi Ronfard
Thesis title: Automatic Rush Generation with Application to Theatre Performances.
- 2009 – 11** **M.Sc.** (*CIMET, Color in Informatics and Media Technology, GPA 3.6/4, Rank 1/22*), European Master CIMET, Spain, France and Norway.
- 2005 – 09** **B.Tech.** (*Electronics and Communication Engineering, CGPA 8.2/10*), Indian Institute of Information Technology, Jabalpur, India.

Honours and Awards

- 2011** Ranked first in European master CIMET cohort 2009-2011.
- 2009** Awarded Erasmus Mundus scholarship (42000 Euros) 2009-2011.
- 2005** Qualified IIT JEE screening test.
- 2005** Secured all India rank of 6796 in AIEEE (among 0.8 million students).
- 2002** Awarded "A" certificate of Indian national cadet corps (NCC), Naval wing.
- 2002, 2004** School topper of AISSE 2002, CBSE (10th Board) and AISSCE 2004, CBSE (12th Board).

Skills

- Software** C/C++ , Matlab, OpenCV, PHP/MySQL, L^AT_EX
- Hardware** latest range of DSLR cameras, camcorders and complementary equipments

Personal Information

Languages English(fluent, TOEFL 101/120), Hindi(native), French(functional), Spanish(beginner)
Sports volleyball (university team), tennis, hiking, yoga, bicycling
Interests reading, meditation, playing flute, photography, quiz

Publications

- [1] Vineet Gandhi, Remi Ronfard and Michael Gleicher, *Multi-Clip Video Editing from a Single Viewpoint*, **CVMP**, 2014.
- [2] Vineet Gandhi and Remi Ronfard, *Detecting and Naming Actors in Movies using Generative Appearance Models*, **CVPR**, 2013.
- [3] Vineet Gandhi, Jan Čech and Radu Horaud, *High-Resolution Depth Maps Based on TOF-Stereo Fusion*, **ICRA**, 2012.
- [4] Remi Ronfard, Vineet Gandhi and Laurent Boiron, *The Prose Storyboard Language: A Tool for Annotating and Directing Movies*, **(WICED)** Workshop on Intelligent Cinematography and Editing, Foundations of Digital Games (FDG) 2013.

References

Available on request