

PUNEET KUMAR DOKANIA

EDUCATION

CentraleSupélec and INRIA Saclay

Center for Learning and Visual Computing

PhD Student : October 2012 - April 2016 (tentative)

Supervisors: Prof. M. Pawan Kumar and Prof. Nikos Paragios

Ecole Nationale Supérieure d'Informatique et Mathématiques Appliquées, Grenoble, France

Master of Science in Informatics, Sept 2011 - July 2012

Delhi College of Engineering, University of Delhi, India

Bachelor in Computer Engineering, 2005 - May 2009

First Class Degree

EXPERIENCES

Masters Thesis

E-Motion Team, INRIA

Oct 2011 - June 2012

Online lane change intention prediction. Resulted in a international conference paper in this field.

Research Scientist

Advanced Systems Laboratory, India

Dec 2009 - July 2011

Research Assistant

IIT Delhi, India

June 2009 - Nov 2009

Worked on the applications of Swarm Intelligence in the field of Image Processing. Published two international journals and one international conference papers as the outcome of this work.

Internship Student

Vision Lab, IISc India

June 2007 - 3rd Aug 07

COMPUTER SKILLS

C, C++ and Matlab.

HONORS AND AWARDS

1. **Gold Medal:** Best Bachelor of Engineering project award in the whole college.
2. The only student in India who was recommended by the Ministry of HRD for the Commonwealth Scholarship Fellowship Plan, UK 2010 for PG in Computer Science.

TEACHING ASSISTANT

- *Discrete Optimization*, Ecole Centrale Paris, M. Pawan Kumar, 2012-13.
- *Signal Processing*, Ecole Centrale Paris, Iasonas Kokkinos, 2012-13.

PUBLICATIONS IN JOURNALS

1. *Rounding-based Combinatorial Algorithms for Metric Labeling*, Under Submission in JMLR.
2. *High Dynamic Range Fuzzy Color Image Enhancement Using Ant Colony System*, In Journal of Applied Soft Computing, 2012. Impact 2.97.
3. *A Novel Bacterial Foraging Technique for Edge Detection*, In Pattern Recognition Letters, 2011. Impact 1.46.

PUBLICATIONS IN CONFERENCES

1. *Parsimonious Labeling*, In ICCV 2015, Santiago, Chile.
2. *Discriminative parameter estimation for random walks segmentation*, In MICCAI 2013, Nagoya, Japan.
3. *A Novel Approach for Edge Detection using Ant Colony Optimization and Fuzzy Derivative Technique*, IEEE IACC-09, 2009, pp 1427-1433.