

## SURYANSH KUMAR

Mailing Address: Office: B332, Building 115, College of Engineering and Computer Science.  
RSISE, ANU, ACT 2601 Canberra, Australia.  
University email: suryansh.kumar@anu.edu.au Webpage: <https://suryanshkumar.github.io>



### EDUCATION

- **The Australian National University**, Canberra. PhD in Engineering and Computer Science, Sept 2015- Present.  
Supervisors: Dr. Yuchao Dai, Prof. Richard Hartley.  
Chair of Panel: Prof. Hongdong Li.
- **IIIT-Hyderabad**, India. M.S in Computer Science and Engineering, Aug. 2013.  
GPA: 8.71 on 10.0 scale.  
Advisor: Prof. K Madhava Krishna.

### RESEARCH INTERESTS

- **Computer Vision:** Structure from Motion, Motion Segmentation.
- **Robot Vision:** Visual SLAM, Mobile Object Tracking & Segmentation.
- **Statistical Learning:** Convex Optimization, Compressed sensing and Probabilistic Graphical Models.

### MAJOR PUBLICATIONS

- [Multibody Non-rigid Structure from Motion](#). **3DV 2016**, Stanford University, USA.  
Authors: **Suryansh Kumar**, Yuchao Dai, Hongdong Li.
- [Markov Random Field based Small Obstacle discovery over Images](#). **ICRA 2014**, Hong Kong, China.  
Authors: **Suryansh Kumar**, Siva Karthik M, K. Madhava Krishna.

### PROFESSIONAL EXPERIENCE

- Teaching Assistant for Individual Engineering Project Course (ENGN4200) Semester: Summer 2017(ANU)  
Course Instructor: Dr. Yuchao Dai.
- Teaching Assistant for Computer Vision Course (ENGN4528/6528) Semester: Summer 2017(ANU)  
Course Instructor: Dr. Jonghyuk Kim.
- Certification on Machine Learning offered by Stanford University on Coursera. License Number: FBXH2KPEU44M.  
Course Instructor: Prof. Andrew Ng.
- Uurmi Systems Pvt. Limited, Hyderabad. Image Understanding Group, Consultant Engineer, July'14 – June'15.  
Project Advisor: Dr. B.S Venkatesh.

### RESEARCH EXPERIENCE

- **INRIA-Rhône-Alpes Grenoble**. Research Intern, Sept 2013-Feb 2014.  
Supervisors: Dr. Dizan Vasquez, Prof. Christian Laugier.
- **IIIT-Hyderabad**. Research Assistant, July 2011- August 2013.  
Supervisor: Prof. K. Madhava Krishna.
- **IIIT-Hyderabad**. Project Associate, July 2010-Dec. 2010.  
Supervisor: Dr. P. Rajalakshmi.

### AWARDS & ACHIEVEMENTS

- Student funding to attend Robot Vision Summer School 2016, Kiola, Australia.
- Recipient of "Australian National University Higher Degree Research" Merit Scholarship Award.
- Recipient of "Best Innovative Group 2014", by Uurmi Systems Private Limited, India.
- Full-Time Funded Student by "Campus France", for research internship at INRIA, Grenoble-France.
- Full-Time Scholarship Student for MS program in IIIT-Hyderabad, India.
- Winner of "8085 Programming" and "Project Demonstration" contest organized at TITIKSHA 2008, SMVDU, J&K India.

Detailed CV and References available on request.

[Curriculum Vitae]