

SARAGADAM RAJA VENKATA, VISHWANATH

PhD in ECE, Carnegie Mellon University

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RESEARCH INTERESTS

My research interests broadly lie in the area of signal processing and computer vision. I work in the area of signal reconstructions from compressive measurements for visual signals like videos, light fields and hyperspectral images.

PUBLICATIONS

- V Saragadam, J Wang, X Li, A Sankaranarayanan, “Compressive spectral anomaly detection”, to appear in International Conference on Computational Photography, 2017
- V Saragadam, A Sankaranarayanan, X Li, “Cross-scale predictive dictionaries for image and video restoration”, International Conference on Image Processing, 2016
- V Saragadam, A Sankaranarayanan, X Li, “Cross-scale predictive dictionaries”, (Under review), Transactions on Image Processing, 2017

EDUCATION

Carnegie Mellon University

2014 -

- Doctorate of Philosophy in Electrical and Computer Engineering.
- Advised by *Prof. Aswin Sankaranarayanan* and *Prof. Xin Li*

Indian Institute of Technology Madras

2010 - 2014

- B.Tech(Hons.) in Electrical Engineering with minor degree in Operations Research.
- Recipient of Siemens award for highest GPA in electrical engineering 2014 batch.

PROFESSIONAL EXPERIENCE

- **Intel corporation**, Santa Clara, California, *May - August 2015*
- **Maschinenfabrik Reinhausen GmbH**, Regensburg, Germany, *May - July 2013*
- **Sasken Communication Technologies**, Chennai, India, *May - July 2012*

SCHOLASTIC ACHIEVEMENTS

- Recipient of Dean's tuition fellowship for graduate studies at Carnegie Mellon University.
- Secured 155th rank in IIT Joint Entrance Examination 2010 among 470,000 students.
- Recipient of the *Shri V Rajagopalan Memorial award* for outstanding performance in sophomore year.
- Recipient of the *M Sankaraih and M Saradah scholarship* for outstanding performance in sophomore year.

TEACHING EXPERIENCE

- Teaching assistant for “Signals and Systems” under Prof. Pulkit Grover and Prof. Byron Yu.
- Teaching assistant for “Image and Video Processing” under Prof. Aswin Sankaranarayanan.

CONFERENCES AND WORKSHOPS

- Invited talk at Indian Institute of Sciences, Bangalore, India on “Cross-scale predictive dictionaries”, 2017
- Invited talk at International Institute of Information Technology, Hyderabad, India on “Sparse representations and its applications”, 2017
- Presented paper on “Cross-scale predictive dictionaries for image and video restoration” at International Conference on Image Conference, 2016, held in Phoenix, Arizona.
- Winner of third prize in IEEE All India Young Engineers Humanitarian challenge, 2012, held in Bangalore, India.