# Kishor Upla

Curriculum Vitae

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¹¹¹ https://sites.google.com/site/kpupla

## Education

2008-2016 Ph. D.

Dhirubhai Ambani Institute of Information and Communication Technology (DAIICT), Gandhinagar, India.

Thesis Title: Some new techniques of Multi-resolution Image fusion

Thesis Supervisor: Dr. Manjunath V. Joshi

2001-2005 M. E. in Communication System Engineering

L. D. College of Engineering, Ahmedabad, India.

Percentage 80%

1997-2001 B. E. in Electronics and Communication

Government Engineering College, Modasa, India.

Percentage 85%

## Experience

2009-till date Assistant Professor

Electronics and Communication Department, Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat, Gujarat, India.

2005-2009 Assistant Professor

Electronics and Communication Department, *Government Polytechnic*, Palanpur, Gujarat, India.

2002-2005 Lecturer

Electronics and Communication Department, Sankalchand Patel College of Engineering (SPCE), Visnagar, Gujarat, India.

Professional Recognition/Award/Prize/Certificate,Fellowship received

2019-2020 ERCIM Post-doctoral Fellowship

(Norwegian University of Science and Technology (NTNU), Gjøvik, Norway) ERCIM, France

2020 Best paper award at IEEE CVPR-2020 workshops in PBVS

http://vcipl-okstate.org/pbvs/20/awards.html

PBVS workshop in CVPR international conference

2020 Challenge Winner in IEEE PBVS CVPR-2020 workshop

http://vcipl-okstate.org/pbvs/20/challenge.html PBVS workshop in CVPR international conference

2014 Recipient of Travels Grant Support of USD \$1205

IEEE Geoscience and Remote Sensing Society (GRSS)

2011 Recipient of Asian Travel Grant of USD \$750 IEEE Geoscience and Remote Sensing Society (GRSS)

2011 Recipient of Student Travel Grant Support of USD \$500

IEEE International Conference on Multimedia and Expo (ICME)

#### Research Interests

Computer vision and image

Machine learning/Deep learning, Object detection/recognition, Information fusion, Multiresolution image fusion/Pan-sharpening, Image restoration, Image super-resolution, Biomedical image fusion, Multi-spectral and hyperspectral image processing, Low resolution processing face recognition

#### **Publications**

#### Book



Joshi, Manjunath V. and Kishor P. Upla. Multi-resolution Image Fusion in Remote Sensing. Cambridge University Press.

# **Book Chapter**

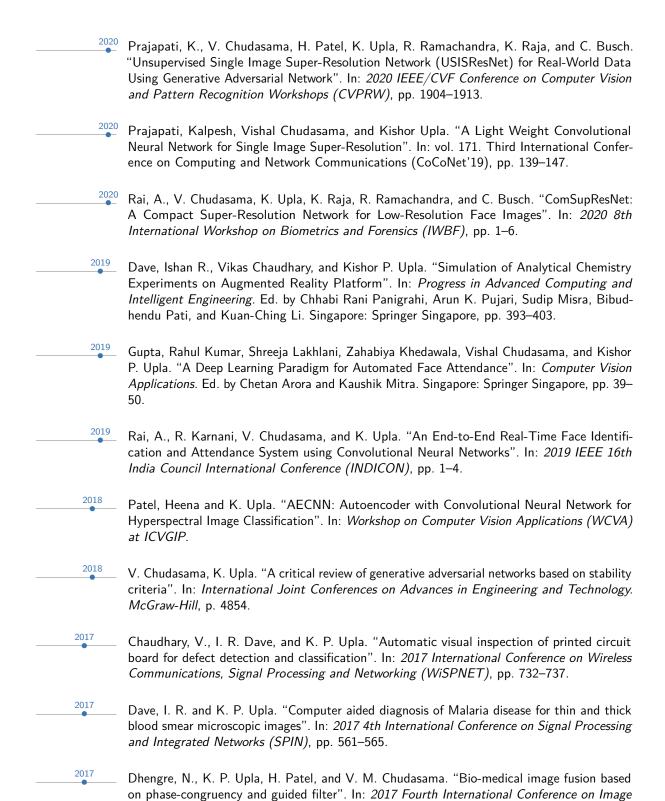
2012

Prakash P. Gajjar, Manjunath Joshi and Kishor P. Upla. "Image Restoration: Fundamentals and Advances (Digital Imaging and Computer Vision)". In: ed. by Bahadir Kursat Gunturk and Xin Li. First. CRC press. Chap. Transform domain based learning for super-resolution restoration, pp. 175 -215.

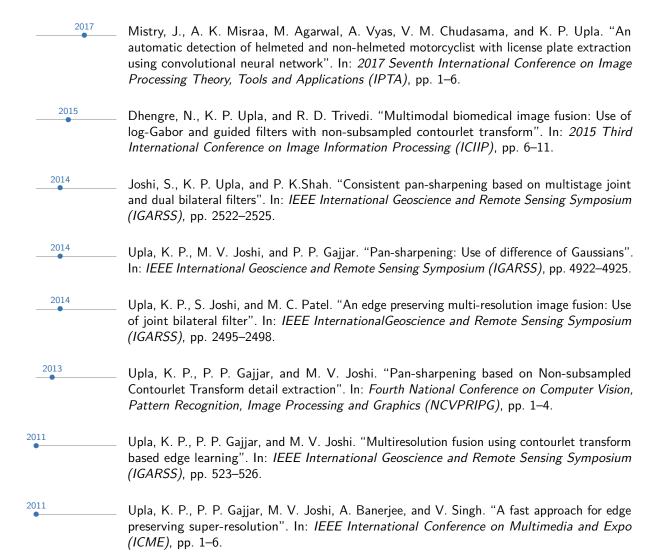
### Journal Publications

- $^{2021}$ Chudasama, V., K. Nighania, K. Upla, K. Raja, R. Ramachandra, and C. Busch. "E-ComSupResNet: Enhanced Face Super-Resolution Through Compact Network". In: IEEE Transactions on Biometrics, Behavior, and Identity Science, pp. 1–1.
- $\stackrel{2021}{-}$  Chudasama, Vishal and Kishor Upla. "Computationally efficient progressive approach for single-image super-resolution using generative adversarial network". In: Journal of Electronic Imaging 30.2, pp. 1 –36.
- <sup>2021</sup>Chudasama, Vishal M. and K. Upla. "RSRGAN: computationally efficient real-world single image super-resolution using generative adversarial network". In: Mach. Vis. Appl. 32, p. 3.
- <sup>2021</sup>Patel, Heena and Kishor P. Upla. "DepthFuseNet: an approach for fusion of thermal and visible images using a convolutional neural network". In: Optical Engineering 60.1, pp. 1 -29.
  - Vishal, Chudasama and Kishor Upla. "E-ProSRNet: An enhanced progressive single image super-resolution approach." In: Computer Vision and Image Understanding, p. 103038.





Information Processing (ICIIP), pp. 1–5.



## International Exposure

- Nov.2019- ERCIM Post-doctoral fellow at Norwegian University of Science and Technology (NTNU), Oct.2020 Norway.
- September Attended and presented our work at INTAP 2020 held physical mode at NTNU, Norway. 2020
- June 2020 Attended and presented our work CVPR 2020 held virtual mode.
- April 2020 Attended and presented our work at IEEE IWBF 2020 held virtual mode.
- December Presented my paper in seventh International Conference on Image Processing Theory, Tools 2017 and Applications (IPTA 2017) at Montreal, Canada.
- February 2017 Attended Winter School on Machine Learning in Biometrics at Delhi.
- February 2017 Attended IEEE International Conference on Identity, Security and Behaviour Analysis at Delhi.
  - April 2016 Attended International Workshop on Remote Sensing Image Analysis under the India-Trento Program for Advanced Research (ITPAR) Phase-III at Indian Institute of Technology, Bombay, INDIA.

December Presented my paper in the IEEE International Conference on Image Information Processing

2015 (ICIIP -2015) at Jaypee University of Information Technology, Waknaghat, Solan, Himachal Pradesh, INDIA.

July 2014 Presented my papers in the *IEEE International Geoscience and Remote Sensing Symposium* 2014 (IGARSS-2014) at Quebec, Canada.

December Presented my papers in the National Conference on Computer Vision, Pattern Recognition,

2013 Image Processing and Graphics (NCVPRIPG 2013) at Indian Institute of Technology Jodhpur, India.

July 2012 Presented my co-authored paper in the *IEEE International Geoscience and Remote Sensing Symposium 2012 (IGARSS-2012)* at Munich, Germany.

July 2011 Presented my paper in the *IEEE International Geoscience and Remote Sensing Symposium* 2011 (IGARSS-2011) at Vancouver, Canada.

July 2011 Presented my paper in the *IEEE International Conference on Multimedia and Expo 2011 (ICME-2011)* at Barcelona, Spain.

December Attended the seventh Indian Conference on Vision, Graphics and Image Processing (ICVGIP 2010 2010) at Indian Institute of Technology Chennai, India.

## Languages

Gujarati Native Mother Tongue

Hindi, English Fluent Daily practice, all work performed in English

#### Interests

Sport Cricket, Vollyball

# Membership

2002-2005 Member of Indian Society for Technical Education (ISTE)

2009-2015 Student member of Institute of Electrical and Electronics Engineers (IEEE)

2015-cont. Member of Institute of Electrical and Electronics Engineers (IEEE)

## Skills

Programming Matlab, C, Python

Publishing Latex, MS Office softwares

## References

DAIICT Dr. Manjunath V. Joshi

Professor

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NTNU, **Dr. Christoph Busch** Norway

Professor

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