Contact

www.linkedin.com/in/badri-padmanabhan-5b66a44 (LinkedIn)
www.invisage.com (Company)

Top Skills

Project Management
Product Management
Research and Development (R&D)

Languages

English (Native or Bilingual)
Hindi (Full Professional)
Malayalam (Native or Bilingual)
Tamil (Professional Working)
Kannada (Professional Working)

Patents

Flare-blocking image sensor
Techniques for robust anti-spoofing in biometrics using polarization cues for NIR and visible wavelength band
Image sensors with quantum efficiency enhanced by inverted pyramids
Liquid crystal on silicon device with microlens
Determining depth information from a single camera

Badri Padmanabhan

Sr. Director at Samsung LSI
San Jose, California, United States

Summary

Experienced Business, Product and Technology development manager with 7+ years of product/business development and 7 years of technical experience in Camera systems. Currently developing CMOS image sensor business for the NA market for Samsung.

Technology development management skills: Licensing, Royalty and contract negotiations, IP technical review, contract preparation and review, External New Technology/Product characterization and data review, New technology evangelization, Technology road maps, Technology Review Document preparation, development scheduling and program management.

Product/program management skills:
Product definition, Product development, Eco-system development, Market study, Business case analysis, MRD preparation, Product promotion, Product supply chain management.
Technical skills:
Pixel development, optical and electrical image sensor characterization of CMOS sensors, noise analysis, Image quality tuning, 3A tuning.
Programming Skills: MATLAB, Excel VBA, IG-XL, C, ImageJ coding
Data Analysis: Excel, JMP statistical analysis tool
EDA tools: Cadence IC Design Environment
Testing Tools: IP-750 Production Test Environment, Electroglas 4090 system

Author of 15 patents (5 granted, 10 in process)
Passionate tinkerer and avid photographer

Experience

Samsung LSI

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Sr. Director
March 2021 - Present (5 years 5 months)

Samsung System LSI
Sr. Manager, CMOS Image Sensor Product
November 2019 - March 2021 (1 year 5 months)
San Jose, California

Omnivision Technologies
Staff Technology Manager
January 2017 - November 2019 (2 years 11 months)
San

OmniVision Technologies, Inc.
Senior Product Manager
October 2014 - December 2016 (2 years 3 months)

Foveon
Sr. Pixel Engineer
February 2013 - October 2014 (1 year 9 months)

Invisage Inc
Senior Characterization Engineer
August 2012 - February 2013 (7 months)
Silicon Valley

Altasens, Inc
5 years

Principal Characterization Engineer
May 2011 - July 2012 (1 year 3 months)
Westlake Village

Systems Engineer
June 2009 - May 2011 (2 years)

Characterize gain stages, ADC, Noise Correction Algorithms etc. Tune sensor register settings to minimize noise.

Characterization Engineer
August 2007 - May 2009 (1 year 10 months)

4T and 5T Pixel R & D. CMOS Sensor parametric characterization.

Micron Imaging
Product Engineer R & D
January 2007 - July 2007 (7 months)

Education

New Mexico State University
Masters, Electrical & Computer Engineering · (2004 - 2006)

NMAMIT
BE