

Curriculum Vitae

Viswanathan Balasubramanian

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Education

Bachelor (2001-2005):

- B.Tech Electronics Engineering, Madras Institute of Technology (MIT), Anna University, India.

Masters (2005-2007):

- Master in Micro-Nanotechnology, Institute of Microtechnology (IMT), University of Neuchatel, Switzerland.

Doctrate (2008-2013):

- PhD (Field: Microelectronics), Swiss Federal Institute of Technology (EPFL), Switzerland.

Academic/Industrial Experience:

Current Position (since Dec 2018): Associate Professor,
K. Ramakrishnan College of Engineering, Trichy.

Previous Industrial experience in IC design field: 11+ years

- **Consultant-Senior Analog Design** (Oct. 2017- Mar 2018): Kandou, Switzerland.
- **Senior Analog Design Engineer** (4 years, August 2013 - August 2017): Semtech, Switzerland.
- **Industrial PhD** (5 years, June 2008 - June 2013): CSEM, EPFL, Switzerland.
- **Industrial Internship** (1 year, June 2007 - May 2008), CSEM, Switzerland.
- **Industrial Project Work** (6 months, October 2006 - March 2007): IMST, Germany.
- **Analog Design Engineer** (3 months, July 2005 - September 2005): Cosmic Circuits India.

Publications (IEEE Conferences/Journals):

1. V. Balasubramanian, P. F. Ruedi, C. C. Enz et al, A 0.18 μ Biosensor Front-end based on 1/f Noise, Distortion Cancelation and Chopper Stabilization Techniques, IEEE Transactions on Biomedical Circuits and Systems, vol. 7, no. 5, pp. 660-673, Oct. 2013.

doi: 10.1109/TBCAS.2012.2234121

<http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=6469184&isnumber=6646269>

2. V. Balasubramanian, P. F. Ruedi, C. C. Enz, Noise Canceling Chopper Stabilized Front-End for Electrochemical Biosensors with Improved Dynamic Range, IEEE International Symposium on Circuits and Systems, Seoul, 2012, pp. 2215-2218.

doi: 10.1109/ISCAS.2012.6271731

<http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=6271731&isnumber=6270389>

3. V. Balasubramanian, A. Heragu, C. C. Enz, Analysis of Ultralow-Power Asynchronous ADCs, Proceedings of 2010 IEEE International Symposium on Circuits and Systems, Paris, 2010, pp.

3593-3596.

doi: 10.1109/ISCAS.2010.5537806

<http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=5537806&isnumber=5536941>

4. V. Balasubramanian, A. Heragu, C. C. Enz, A Novel Complex Gm-C IF Sub-Sampling Mixer, European Conference on Circuit Theory and Design, Antalya, 2009, pp. 29-32.

doi: 10.1109/ECCTD.2009.5275140

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