

Rohan Sehgal

Roland Holstlaan 235
Delft 2624 HG, The Netherlands
Ph: (31)0619962871
Email: rohan_sehgal@yahoo.com
R.K.Sehgal@student.tudelft.nl
Web: <http://rohan.50webs.com/home.html>

DATE OF BIRTH

10th March, 1986

EDUCATION

- **Delft University of Technology, the Netherlands, 2008-**
Master of Science, Electrical Engineering - Microelectronics Track
- **Netaji Subhas Institute of Technology, University of Delhi, India, 2003-2007**
Bachelor of Engineering, Electronics and Communication, Aggregate: 70.70% (First Class)

RESEARCH EXPERIENCE

Research Intern, Electronics Research Lab, TU Delft, the Netherlands, July- Dec, 2007

- Wavelet Transform-based Ultra Low Power Biomedical Signal Processing
- Supervisor: Prof. Wouter A. Serdijn

B.E. Thesis, NSIT, University of Delhi, India, Jan-May, 2007

- Design of Non-linear Analog Circuits using JFETs/MOSFETs
- Supervisor: Prof. Raj Senani

Research Intern, Thin Films Centre, National Physical Lab, Delhi, Jun-Dec, 2006

- Low Voltage CMOS Analog and Mixed-Signal Design
- Supervisor: Dr. S.S. Rajput, Scientist F, Thin Films Centre, NPL

TECHNICAL SKILLS

Tools	Cadence Virtuoso, ADS, Orcad, Xilinx ISE, PSPICE
Languages	MATLAB, VHDL, C++, TCL/ITCL

AWARDS & ACHIEVEMENTS

- NXP Fellowship for pursuing M.S. in Microelectronics at TU Delft for 2008-10
- Institute Medal for Best B.E. Thesis in Division of Electronics & Communications Engg
- Certificate of Merit in Delhi Zonal Mathematics Olympiad

PUBLICATIONS

Rohan Sehgal, Amandeep Singh and Wouter A. Serdijn, "**CMOS Ultra-Low Power Wavelet Filter based Sense Amplifier for Cardiac Signal Analysis**", PRORISC 2008, Veldhoven (Accepted)

Rohan Sehgal and Nihit Bajaj, "**Matched FET Cascode Pair: Design of Non-Linear Circuits without using DC Biasing**", IEEE Trans. on Circuits and Systems II: Express Briefs (Under Review)

Rohan Sehgal and S.S. Rajput, "**A Low Voltage 8-bit D/A Converter using Floating Gate MOSFETs**", Analog Integrated Circuits and Signal Processing, SpringerLink, Volume 56, Issue 3, September 2008, pp.199-204

Rohan Sehgal, S.S. Rajput and S.S. Jamuar, "**A 0.8V Operational Amplifier using Floating Gate MOS Technology**", Proc. IEEE International Conference on Semiconductor Electronics, 2006, Kuala Lumpur, Malaysia