

Siddharth Manohar

E57B 21st cross street, Besant Nagar – 600090
Mobile:+919502381748, Email: smanoha@yahoo.com

SUMMARY

Semi-retired microwave engineer with an interest in solving certain (open) problems.
Looking to complete a PhD (by publication)

EDUCATION

M.S (Electrical Engineering), Clemson University, SC, United States, 1999-2002.
Master's Thesis: An empirical large signal model for SiC MESFETs

B.E (Electrical Engineering), University of Madras, Chennai, India, 1995-1999

WORK EXPERIENCE

Director, Swint Electronics Private Limited, Chennai, India, 2018-present
Assistant Manager, Astra Microwave Products Limited, Hyderabad, India, 2013-2014
Application engineer, Agilent Technologies Private Limited, Hyderabad, India, 2011-2012
Senior Engineer, Ace technology, Incheon, South Korea, 2008-2009
Engineer, Astra Microelectric Technologies Limited (now Aelius Semiconductors),
Hyderabad, India, 2004-2008
Graduate Research Assistant, Clemson University, Clemson, United States, 1999-2002

ACCOMPLISHMENTS /AWARDS

Invented a 'digital' approach to microwave instrumentation, that does away with heterodyning (Patents pending)
Raised \$50K as seed funding for Swint Electronics (co-founded startup)
Part of a 10 member startup, Aelius Semiconductors, founded, to develop chipsets for Transmit/Receive modules used in phased arrays
Multiple publications (in IEEE journals and conferences) on circuit design and measurement based modeling of microwave circuits
Awarded a research assistantship in graduate school

LANGUAGES

English, Tamil, Hindi

PROGRAMMING LANGUAGES

C, Python

PROBLEMS OF INTEREST

Reimann Hypothesis
Efficient optimization using graphical processing units
Neural processors
Noise

GITHUB

<https://github.com/smanoha/>