

April 27, 2007

Dear Sir,

My name is **NAGARAJAN RAGHAVAN** and I am completing my final year Bachelor Degree in EEE (Division of Microelectronics) this academic year. I would hereby like to express my thoughts and experiences of working under **Dr.Tan Cher Ming**. I have been working under Dr.Tan's able supervision for the past three years under various projects. He was my supervisor for URECA 2004-05, URECA 2005-06 and FYP 2006-07 projects.

Dr.Tan has been a great source of inspiration for me throughout my undergraduate study in NTU. He discovered the latent research skills in me during my second year and encouraged me to embark on research work and publish papers. Under his sound technical knowledge, astute guidance and unparalleled support, I jointly published 6 conference papers and a journal paper with him within a short span of two years. He provided me with good internship and consultancy opportunities in different companies where I could practically apply the results of my research work. He is a very student-friendly professor who is always open for technical discussions any time. I have always admired his high ethical standards when it comes to publishing his research work. Given the vast industrial experience that he has acquired, his research work is very practical and his publications are very useful and applicable both to the industry as well as the academia. Over the past few years of my research attachment with him, I have learnt from him the techniques and skills of writing a good and convincing journal paper, showing how the research results are practically relevant to the industry.

He is unique in that he has got multi-faceted research interests spanning a wide range of fields some of which include reliability physics, failure analysis, electromigration, reliability statistics, power diodes, quality and maintenance engineering and much more... Therefore, his research work involves a rich blend of cross-fertilized concepts from different fields that make it very unique. In fact, my FYP work under him involved combining reliability statistics with failure physics to have a comprehensive understanding of different semiconductor failure mechanisms in nano CMOS devices.

Apart from my enriching research experience under him, I have also been taught a final year course (EE4694 – IC Reliability and Failure Analysis) by him. He is a very skilled lecturer with a clear accent and good explanation. He has the ability to project his views and ideas very precisely. He spends sufficient time clarifying the conceptual doubts that the students have. The dissertation group project that he gave us during the course as a part of the assessment criteria was very interesting and it helped us gain an in-depth understanding and liking towards the subject.

Best Regards,

NAGARAJAN RAGHAVAN

