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Academic Qualification

PhD in Materials Engineering (2013)

Universiti Sains Malaysia

Thesis: The Effect of Coagulation Method and Benzoyl Peroxide Free Radical Functionalization Method on the Properties of MWCNT/PMMA Nanocomposite.

Master of Science in Materials Engineering (2002)

Thesis: Synthesis and Characterization of Nanosized Tin Dioxide (SnO₂).

Bachelor of Engineering in Materials Engineering (2001)

Project: Heat Treatment on D3 Tool Steel.

Working Experiences / Appointment

Supplier Quality Engineer (April 2005 – February 2007)

Silterra Malaysia Sdn. Bhd.

Job Responsibility: Manage suppliers in supplier process qualification, material qualification, process audit, incoming inspection verification and supplier quality improvement activities including SQE cost saving activities.

In-line Monitoring Engineer (Jan 2004 – March 2005)

Job Responsibility: Support in-line defect monitoring of manufacturing line. Interface with Manufacturing, Process Module and Yield Group. Supervise and assist in-line monitoring technicians in analyzing data and material disposition. Obtain and analyze in-line defect data to identify problem area and implement the containment, corrective and preventive action.

Young Malaysian Graduate Trainee (Sept 2002 – Dec 2003)

Job training at LSI Logic, Oregon, USA.

Research Interest

In general, my research interest is in the development, process and testing of advanced materials used for manufacturing applications; such as automotive components, computer chips, medical products and aerospace equipments. Specifically, work with metals, ceramics, plastics, composites, nanomaterials and other substances to create new materials that meet certain mechanical, electrical, and chemical requirements.