Structured New Product Development in Industry

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Abstract

If you are interested in knowing how R&D projects are carried out and how new products are developed in industry, this seminar is for you. The speaker will introduce to you, based on his experience in industry, a structured new product development process used in industry in order to develop high quality, reliable products.

Three stages of new product development, namely, Engineering Validation Test (EVT), Development Validation Test (DVT) and Qualification will be presented with one or two products used in fiber optic telecommunication as examples. Some standard tests, such as Telecordia 1209 and 1221 used in telecom industry will be described and the significance of these tests to the quality of products will be explained.

Biography of Speaker

Xijia Gu received his B.Sc. degree from Nankai University, Tianjin, China, in 1982, the M.Sc. degree from the University of Toronto, Toronto, ON, Canada, in 1984, and the Ph.D. degree from the University of Waterloo, Waterloo, Canada, in 1987. He worked as a Research Fellow at Max-Planck-Institute fuer Stromungsforschung, Goettingen, German, and the University of Toronto between 1987 and 1990. Then, he joined Photonics Research Ontario, six years as a Staff Scientist and three years as a Manager, involved in many research projects related to lasers and laser applications. In 1999, he joined JDS Uniphase as a Senior Manager, developed many fiber products for telecommunication such as: fiber grating filters, DWDM modules, and tunable filters.

In 2003, he joined Department of Electrical and Computer Engineering, Ryerson University. He has published 63 referred journal articles, 31 conference papers, and holds four patents. His current research includes high-power fiber laser, fiber-optic devices and modules and fiber-optic sensors.