
Synopsis Armenia Develops New Software Tool To Accelerate Semiconductor Design

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A new yield management tool for designing microelectronic products was developed by engineers of Synopsis-Armenia, one of the main branches of Synopsis Inc, a world leader in software and intellectual property for semiconductor design and manufacturing.

This was announced on April 9 by Armenia's branch CEO Rich Goldman, who is also vice-President for Strategic Market Development at parent company, at the event devoted to the launch of the new educational program "Semiconductor physics and microelectronics" at the State Engineering University of Armenia (SEUA). According to him, "Yield Explorer" has been used by producers since March 2009 and showed good performance. Yield Explorer enables considerably accelerate and increase efficacy of detecting and analyzing errors in the process of semiconductor design. Particularly, it expedites the discovery and mitigation of yield limiters in leading-edge integrated circuits. As R..Goldman mentioned, the expectations of Synopsis, which had purchased several years ago the US-based HPL Technologies, were rewarding, since the expenses of creating Yield Explorer were worth it. He also mentioned, that one the main engineering centers of HPL was based in Yerevan. "Yield Explorer" is the second software tool, developed by the Armenia branch, told R.Goldman. As R..Goldman mentioned, a new four-year program of the Educational Department of Synopsis-Armenia will prepare engineers in the area of "Semiconductor physics and microelectronics". This is another program carried out in cooperation with SEUA, which is aimed at developing high technology in Armenia. According to Vostak Marukhian, rector of SEUA, a new educational model of "university-industry" cooperation will enable to prepare professionals of a high standard, who meet the requirements of semiconductor industry: MÃ; and postgraduate study are supposed to be offered in the near future in this field. In the fringes of a new program super-modern software tools and educational packages for electronic design will be applied, told Marukhian. According to him, Synopsis has started implementing educational and training programs at SEUA since 2001. Within that cooperation the baccalaureate of SEUA produced 23 graduates only last year, and currently 191 students are trained at company' s microelectronic circuits and systems department. 10 graduates have already defended their thesis and another six will defend this year. Teaching materials of Synopsis-Armenia's educational program have been translated from Armenian to many languages and are applied in universities of Russia, China, US and some European countries. The University Program of Synopsis is carried out in more than 450 universities in the world. The educational department of Synopsis-Armenia cooperates with Yerevan State University, American University=2 0of Armenia, Russian-Armenian (Slavonic) University in Armenia and Institute of Electronic Technology of Moscow in Russia:
