

Important meanings of integration
Microelectronics in Poland – past, present and future

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Poland contributed remarkably in the past to build a fundaments of present microelectronics, however, due to historical reasons, nowadays microelectronic industry in our country is marginal. On the other hand, growing importance of the More-than-Moore domain allows to take advantage of strong interdisciplinary research of Polish scientific communities. Besides, Poland, being the sixth populated European country with steadily growing economy, represents almost 40 mln market for MEMS, sensors and other IoT devices. As a consequence, a steady grow of microelectronic based production as well as the development of the microelectronic market is observed in Poland. The important, key factor is also integration of Polish economy and, especially, research communities within EU and a continuous effort of the EC to strengthen cohesion. To take the full advantage of the emerging opportunities requires however a good understanding of the observed technology trends and pro-active national high-tech industry development strategy based on deep analysis of weaknesses, difficulties and strengths. In this presentation a short review of the past glory and difficulties will be shown, followed by a snapshot of present situation indicating the key stakeholders in the More-than-Moore domain in Poland. Importantly, outline of the possible development strategy as seen from our point of view and emphasizing importance of different levels of integration, in terms of national and European strategies will be discussed.