"Semantic Web" standards, driven by the W3C organization, dictate how to tag resources (HTML pages, images, etc.) and their information content so that machines and not only human surfers can extract and process this information and create new applications over the web. In this talk we focus on the domain of Systems and Software Engineering, where semantic web standards were adopted to help bridge the gaps among model based systems engineering tools. The tools span the entire life cycle of product development, from requirements, through development, testing and simulation, to production, marketing and servicing. Semantic web standards can solve many problems in tools interoperability and model sharing, as we describe in this talk.

Dr. Uri Shani is a Research Staff Member in the Systems and IoT Engineering Group at IBM Research.