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Sommario/riassunto	The MST workshop series is meant to bring together researchers, professionals, and industrial engineers with an interest in the technologies for mobile systems. The second session (MST 2016) aims at providing a broader and comprehensive view of architecture models, technology trends, and memory solutions in evolving mobile systems, like smartphones, tablets, and smartwatches. MST 2016 will focus on two areas: SW HW architecture of mobile systems, with special attention to the evolution of the memory hierarchy and of the graphics processing units designed for mobile needs, like console quality gaming on smartphones; mobile system security, taking into consideration the challenges of the different mobile OS, and the HW evolution of mobile platforms.