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Nota di contenuto	Part I: Communications Systems: 1 The Nature of the Beast: An interview with Olav Lysne -- 2 Igniting the New Internet: An interview with Keith Marzullo -- 3 The Internet of Things: An interview with Heinrich Stüttgen -- Part II: Computational Science: 4 The Mathematics of the Mind: An interview with Hans Petter Langtangen -- 5 Solving Puzzle Earth by Adaptive Mesh Refinement: An interview with Carsten Burstedde -- 6 Computational Inverse Problems Can Drive a Big Data Revolution: An interview with Omar Ghattas.- 7 Towards the 'Google Heart': An interview with Natalia Trayanova -- 8 As Simple as Possible, but Not Simpler: An interview with Alfio Quarteroni -- Part III: Software Engineering -- 9 A Caring Critic: An interview with Magne Jørgensen -- 10 Through the Looking Glass into Digital Space: An interview with Paola Inverardi -- 11 Harmonizing the Babel of Voices: An interview with Martin Shepperd -- 12 Mediating between Man and Machine: An interview with Bashar Nuseibeh. .
Sommario/riassunto	This text sheds light on how mathematical models and computing can help understanding and prediction of complicated physical processes; how communication networks should be designed and implemented to meet the increasingly challenging requirements from users; and how modern engineering principles can lead to better and more robust software systems. Through interviews with 12 internationally recognized researchers within these fields, conducted by the well-

known science writer Dana Mackenzie and the science journalist  
Kathrine Aspaas, the reader gets views on recent achievements and  
future challenges. .

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