# FOCUS

## NEXT-GENERATION MOBILE COMPUTING

**44 Guest Editors’ Introduction**

Next-Generation Mobile Computing

J. Edmondson, W. Anderson, J. Gray, J. P. Loyall, K. Schmid, and J. White

**48 People as a Service: A Mobile-centric Model for Providing Collective Sociological Profiles**

J. Guillén, J. Miranda, J. Berrocal, J. García-Alonso, J. Murillo, and C. Canal

**54 Agile Communication Middleware for Next-Generation Mobile Heterogeneous Networks**

G. Benincasa, A. Morelli, C. Stefanelli, N. Suri, and M. Tortonesi


**70 Sensor Cloud: A Cloud of Virtual Sensors**

S. Madria, V. Kumar, and R. Dalvi

**78 A Large-Scale Empirical Study on Software Reuse in Mobile Apps**

I. J. Mojica, B. Adams, M. Nagappan, S. Dienst, T. Berger, and A. E. Hassan

# FEATURES

## SATURN

**87 Program Highlights and Articles from SEI SATURN 2013**

O. Zimmermann and H. Koziolek

**91 The BestBuy.com Cloud Architecture**

J. Crabb

**97 Simulation-Based Embedded Agile Development**

J. Ard, K. Davidsen, and T. Hurst

---

See [www.computer.org/software-multimedia](http://www.computer.org/software-multimedia) for multimedia content related to the features in this issue.