The vision of “Internet as a computer” motivates many technical trends, like pervasive computing, grid computing, service computing and recently, cloud computing, as well as some business trends, like modern service industry, digital economy and smarter planet. Such evolutionary changes demand that the software applications running on the open and dynamic Internet should be autonomous, cooperative, situational, evolvable, emergent, and trustworthy, and the software entities dispersed on distributed nodes over the Internet will be turned into self-contained, autonomous and adaptive. These requirements call for new technologies that can support on-demand collaborations among software entities. Under this background, the software paradigm “Internetware” appears to provide a set of technologies for developing applications to meet the computing requirements in the Internet environment. An Internetware system will be able to perceive the changes of open and dynamic environment, respond to changes, and exhibit context-aware, adaptive and trustworthy behaviors. The mission of Internetware may challenge many aspects of software technologies, from operating platforms, programming models, to engineering approaches, etc.

This symposium aims to provide an interactive forum where researchers and professionals from multiple disciplines and domains meet and exchange ideas to explore and address the challenges brought by Internetware.

**Topics of interest** (include but not limited)

1. Novel software paradigm for Internetware
2. Modeling and implementation of Internetware
3. Requirements engineering for Internetware
4. Software analysis, verification and testing
5. Mining software repositories
6. Software dependability, trustworthiness and confidence
7. Software architecture and design
8. Socio-technical models and techniques
9. Software ecosystem practices and experience
10. Software models and techniques for dominant and emerging Internet-based systems such as Cloud Computing, Service Computing, Social Computing, Mobile Internet, Internet-of-Things, and Cyber-Physical Systems
11. Big data
12. Killer applications, case studies, experience reports of the above aspects

**Important Dates**

Submission Deadline: September 17, 2014
Notification of Acceptance: October 17, 2014
Camera-Ready Version: November 7, 2014

**Publication**

All accepted papers (including regular papers, posters and tool demos) will be published in the Proceeding of “The Sixth Asia-Pacific Symposium on Internetware”, and will be submitted to ACM's Digital Library.

**Organization**

Conference General Co-Chair:
Hong Mei, Peking University
Jian Lv, Nanjing University

Program Committee Co-Chair:
Minghui Zhou, Peking University
Charles Zhang, The Hong Kong University of Science & Technology

For more information, please visit: http://sei.pku.edu.cn/conference/internetware2014/