Special Session at SFST2013, organized by SEA Japan

Session Title:
"Future Software Technology - for Emerging New Trade Market"

SEA (Software Engineers Association of Japan) has conducted a series of Technical events in China every year since 1987 for the purpose of mutual information exchange between software engineers/researchers in Asia (Japan, China, Korea, and India). This time, we planned to have a special session at SFST2013, in the afternoon of October 18-th (the second day of SFST).

Session time will be 3 hours including short breaks. At first, 5 speakers will make presentations about important technological trends which will have deep impacts to future software market. Then after a short break, we will have 40 minutes panel discussion time inviting opinions from the floor audience.

Session Coordinator:

Yoshiaki SUGITA (Shanghai Fukuzen)

Mr. Sugita is a board member of SEA and the organizer of the Shanghai local chapter. He had been worked for SRA (an independent software house in Japan) about 30 years and experienced many aspects of software business. After leaving SRA, he established a private company in Shanghai for cross-country business development. His major interests are Internet computing, open source software, shell-based tiny application development, and social aspects of software technology.

Speakers:

Masao ITO (Nil Software)

Mr. Ito is CEO of Nil Software Corp, a Tokyo-based software tool development company. He has long career in IPSE (Integrated Process

Support Environment) construction and consulting. He is a board member of SEA Japan) and a core member of SEA-SPIN. He is also serving as CEO of a venture company VCAD Solutions, Co., LTD.

Pina HIRANO (Infoteria)

Mr.Hirano founded Infoteria Corporation (Listed at Tokyo Stock Exchange: 3853) in 1998. One of the company's product "ASTERIA" is adopted by more than 3,700 companies and it has No.1 market share in EAI segment in Japan, In addition, new product "Handbook" - an enterprise content management for tablet and smartphone - is getting very popular in Japanese major companies such as Nomura Securities, Eisai Pharmaceuticals, Lenovo Japan etc. Prior to start Infoteria, he succeeded at several marketing executive position in Lotus Development Corporation (Now a part of IBM) and managed several key products such as Lotus 1-2-3 and Lotus Notes. Before joining Lotus, he joined a software start-up while dropping out of one of the well-known university in Japan.

Katsutoshi SHINTANI (Freelance)

Mr.Shintani worked 30 years at IBM, and 10 years out of 30 years were for software product development for the database system known as IMS for the Japanese banks, the office supporting system known as Office Vision and others. Through a lot of unsuccessful projects. He learned various difficult aspects of software development, including process and its innovation, tools and methods introduction to development via managing SEPG functions after development and testing management. The last 10 years at IBM were for its reengineering coordination. Taking a break from software development for 6 years, then he restarted deployment of software engineering at newly founded Software Engineering Center (IPA/SEC), an affiliate of METI. still encountering difficulties in its deployment in development community.

Kouichi KISHIDA (Software Research Associates)

Mr.Kishida is one of the pioneers of the software industry in Japan. As a board member of SEA, he played a key-role in organizing a series

of software-related international technical events in China, Korea, and India since 1987. In 2001, he received the Distinguished Service Award from ACM/SIGSOFT for his long year's contribution in the international professional activity. In 2006, hee served as the local arrangement co-chair of ICSE in Shanghai with Professor Dehua Ju.

Hideo NAKANO (Tezukayaka Gakuin University)

Professor Nakano is the director of ICT Center at Tezukayama Gakuin University in Osaka, and now serving as the Board Chair of SEA Japan. . He is also a professor emeritus of Osaka City University and the IT adviser of Osaka City. In 1993, he has made a great contribution for setting-up Internet environment in Kansai (Osaka-Kyoto-Kobe) area. His major interests are computer networking technologies and information security.

***** Program *****

13:30 – 15:40 Part-1 Presentations

Masao ITO (Nil Software)

"Analysis of Driving Safety within the Cloud of Cars"

Currently the control of a car is not so simple, because we have to think it within the cloud of cars (cf. ADAS). So, we need a new type of analysis method, especially for safety. We provide a simple method for this situation both in mathematical and physical way.

Pina HIRANO (Infoteria)

"Why Does "Handbook" Lead Tablet Application in Japan ?"

Tablet PC is one of the most growing segment in worldwide IT market. However, when an enterprise employ tablet PC, there are several critical issues such as security, deployment, cost etc. Pina will explain the 5 important points that need to be addressed for enterprise adoption, and how "Handbook" can manage those issues for IT managers and the LOB people with real successful use cases.

Katsutoshi SHINTANI (Freelance)

"Have We Made Use of the Internet in a Way We Build Software"

Software development is an intellectual team effort. When I was involved in software development, there were a number of in-house Internet-based systems where stakehoders shared thoughts and efforts. Now, Internet is freely available to all stakeholders involved. Have we been successful in making use of this technology? A brief view on this will be covered, together with some thoughts for more effective use.

Kouichi KISHIDA (Software Research Associates)

"Evolution Process of Software Systems in the Internet Age"

According to the dynamic theory proposed by Professor M.M.Lehman, the evolution process of today's software systems should be considered as a multi-level, multi-loop, and multi-agent feedback phenomenon. Everybody, not only system developers or project managers but also variety of users and even researchers of software engineering, are involved in this Maelstrom of system evolution. We need to invent a new conceptual model to deal with various issues in system evolution. Almost all process models proposed so far represent a kind of bird-eye view of the process from outside. But, it is not possible to stand outside of the phenomenon. In this presentation, I will discuss about some candidates for new insider view of system evolution process.

Hideo NAKANO (Tezukayaka Gakuin University)

"Next Internet Candidates : Overlay Network and Sensor Network"

Now the Internet has become people's commodity for jobs and daily life. Research activities for the next decade of the Internet are divided two directions. One is an Overlay network, which is a logical network on real physical Internet. Open flow technology supports this Overlay network. SDN (Software Designed Network) is the another name of Overlay network. The other research is the Sensor net plus current Internet. In the network system, sensor network works in buildings or houses, and Nature. The Internet is

a backbone for Sensor net. In Osaka, a new town is now opened at the north side of Osaka Station. In this new town, there are about 100,000 sensor points. We have a research plan on this sensor net system.

15:40 – 15:50 Break

15:50 – 16:30 Part-2 Panel Discussion

Discussion based upon Comments/Questions/Opinions from audience

Through the discussion we'd like to consider more deep about the theme of the session.
At the beginning, we want to have additional comments from each speaker: "What is important about technical strategy for future software trade?"
Then we will invite comments and questions from floor audience for open discussion.

Coordinator: Yoshiaki SUGITA
Panelist: 5 speakers on Part-1