Session 2 Platform standardization (Monday 14:00 – 15:30)

Chairman	**Tarek N. Saadawi (CUNY, NY, US)**
S2.1:	*Open API Standardisation for the NGN Platform ** **Catherine Mulligan (University of Cambridge, UK)**
S2.2:	*Structuring the Next Generation Network using a Standards-based Service Delivery Platform * (Paper was n't presented)* **Rolan Christian (University of the Witwatersrand, ZA); Hu Hanrahan (University of the Witwatersrand, ZA)**
S2.3:	*VCC Service: Standardization of Integration between CS domain and IMS* **Rodrigo Bellotto Campacci (Universidade de São Paulo - Escola Politécnica, BR); João Torres (Portugal Telecom Inovação Brasil Ltda., BR); Moacyr Martucci (Universidade de São Paulo - Escola Politécnica, BR)**
S2.4:	*Managing NGNs using the SOA Philosophy* **Konstantinos Kotsopoulos (University of Bradford, UK); Pouwan Lei (University of Bradford, UK); Yim-Fun Hu (University of Bradford, UK)** _____
S2.5	**P13: The Cache-and-Forward Network Architecture for Efficient Mobile Content Delivery Services in the Future Internet***Dipankar Raychaudhuri* Hong B. Liu, *(Rutgers Univ., US); Roy Yates (Rutgers University, US); Sanjoy Paul (Rutgers University, US); Jim Kurose (University of Massachusetts at Amherst, US)*

15:30-16:00	*Coffee break*

S2.1 Open API Standardisation for the NGN Platform *

Catherine Mulligan (University of Cambridge, UK)

The presentation addressed the followings;

- **Platform Economics & Open APIs**

- **De-facto APIs and the NGN platform**

- **Future of Open APIs;**
  Evolution of standards bodies to cope with new challenges for creating Open APIs

S2.3 VCC Service: Standardization of Integration between CS domain and IMS

Rodrigo Bellotto Campacci (Universidade de São Paulo - Escola Politécnica, BR); João Torres (Portugal Telecom Inovação Brasil Ltda., BR); Moacyr Martucci (Universidade de São Paulo - Escola Politécnica, BR)

The presentation addressed the followings;

- Provided contribution to VCC Standards;
  - It is possible to integrate CS and IMS
  - Could be used an open interface
  - Interoperability guaranteed

- Separation of Control and User Plane Fundamental to implement the VCC

- Regarding migration to IMS, VCC is an advantage

S2.4 Managing NGNs using the SOA Philosophy

Konstantinos Kotsopoulos (University of Bradford, UK); Pouwan Lei (University of Bradford, UK); Yim-Fun Hu (University of Bradford, UK)

The presentation addressed the followings;

- **Existing management architectures and the concept of SOA as well as the technologies that enables the SOA.**

- **SOA-based management framework following the logic of Next Generation Operation Support Systems (NGOSS) developed in the TM-Forum is proposed**

P13: The Cache-and-Forward Network Architecture for Efficient Mobile Content Delivery Services in the Future Internet *Dipankar Raychaudhuri Hong B. Liu,* *(Rutgers Univ., US); Roy Yates (Rutgers University, US); Sanjoy Paul (Rutgers University, US); Jim Kurose (University of Massachusetts at Amherst, US)*

The presentation addressed the followings;

- **Mobile content delivery approach using Cache-and-Forward protocol**

- **Simulation results highlight the various gains in network performance under the proposed protocol**

Session 2 Summary

- **Covered various platform standardization;**
  - **Open API's**
  - **VCC services**
  - **SOA-based management framework**
  - **The Cache-and-Forward Network Architecture Protocol**

- **Clearly the session is in the core of Kaleidoscope NGN scope and goals, and recommend similar session for the coming conference**