Macao IGF 2016 Session Report

Session Details:

Name of Session: Macao Internet Governance Forum 2016 (Macao IGF 2016)

Type of Session: Forum & Workshop

Organizers: Macau Productivity and Technology Transfer Center (CPTTM), Macau Network Information Centre (MONIC) and HNET Asia Limited

Sponsors: MTEL Telecommunication Company Limited, Hutchison Telephone (Macau) Company Limited (Hutchison Telephone Macau), China Telecom (Macau) Company Limited

Venue Sponsor: Macau Science Center

Supporters: Bureau of Telecommunications Regulation (DSRT), DotAsia Organisation, Macao Association for Internet Research (MAIR), Macao Computer Society (MCS), E-Commerce Association of Macau (ECAM), Institute of Electrical and Electronics Engineers of Macau (IEEE), Information Technology Association (ITA), The Youth Committee of Information Technology Association (YITA), Computer Chamber of Macau (CCM), Collective Wisdom Policy Center (CWPC), Open Source Software Association (OSSA), Macau Cable Television Company Limited (MCTV), Smartone Mobile Communication (Macau) Ltd (SmarTone)

Venue: Macao Science Center (Meeting Room 1, 2, 3 & 4)

Date: 21 July 2016

Background of Organizers:

Macau Productivity and Technology Transfer Center (CPTTM)-

The Macau Productivity and Technology Transfer Centre is a non-profit organization jointly established by the Macau Government and the private sector.

The mission of CPTTM is to support enterprises to utilize effectively new conceptual thinking, information and resources in order to increase the value-added of its products or services. The aim is to promote higher productivity and stronger competitiveness of the firm.

Macao Network Information Centre (MONIC)-

The registry for the Macao domain name is operated by the Macao Network Information Center (MONIC). Operated by the University of Macau since 1992, MONIC administers the registration of the country-code domain names ccTLD.

To further promote the steady development of services, Macao SAR government changed the operation entity of MONIC in 2011. Through changes in management mode and strategy adjustment for domain name registration regulations, the new MONIC is able to manage the domain name effectively. HNET Asia Limited (HNET) (http://www.hnet.asia) is responsible for operating MONIC effective from 12 March 2011. HNET provides optimized domain name management services for Macao SAR and residents, and is also expecting to provide more diverse domain registry services for residents and business organizations.

HNET aims at optimizing and developing the Macao domain name. It will be contributing to the development of the internet industry in Macao, as well as deploying Chinese domain names (including at the Top-Level, .澳門&.澳门), DNSSEC and other capabilities for the registry.

Guest Speakers:

Topic: Building a Smart City in Macao from the Perspective of Internet Usage
Speaker: Dr. Angus Cheong, President of Macao Association for Internet Research (MAIR)

Topic: HKIX Development Sharing (Via Video Conference)
Speaker: Mr. Cheng Che Hoo, Associate Director of Information Technology Services Centre (ITSC) of The Chinese University of Hong Kong

Topic: MTel Access Network Technologies
Speaker: Dr. Gordon K. P. Lei, General Manager of Access Network Development of MTel Telecommunication Company Limited

Topic: Wireless Access Technology for Smart City

Speaker: Dr. Zhao Qing Lin, Associate Professor of Faculty of Information Technology of Macau University of Science & Technology (MUST)

Aim:

The forum "Macao Internet Governance Forum 2016 (Macao IGF 2016)", comprised by three main topics-Internet, Smart City & Communication; deeply investigating on the basic network infrastructure of Smart City Planning. Through communication and exchange ideas, we've obtained different angles of view which we hope could result in building and maintaining an eternal network development of Macao. Meanwhile, similar as in the previous years, the forum holds workshop for further investigation on two main topics – IPv6 & DNSSEC. Especially, during the DNSSEC Workshop, a detailed introduction on how to configure DNSSEC and the problems that might arise for the users will be thoroughly described.

Agenda: (Attachment)

時間 Time	2016 澳門互聯網管治論壇 Macao IGF 2016 (Macao Internet Governance Forum 2016) 會議議程 Agenda 日期: 2016 年 7 月 21 日，星期四 (Date: 21 July 2016, Thursday)			邀請人士 Distinguished Guest
1000-1030	嘉賓簽到 （Registration)			
1030-1050	開幕典禮 (Opening Ceremony) 澳門科學館 會議室 3 & 4 (Macao Science Center – Meeting Room 3 & 4) 主辦單位:澳門生產力暨科技轉移中心、澳門互聯網資訊中心及 HNET 亞洲有限公司 (Organizers: Macau Productivity and Technology Transfer Center (CPTTM), Macao Network Information Centre (MONIC) & HNET Asia Limited)			社會各界人士 Members of the Public
	主論壇內容 (會議室 3+4) Topics & Speakers of Main Forum (Meeting Room 3 & 4)	小組會議內容 (會議室 2) Topics & Speakers of Group Discussion (Meeting Room 2)	小組會議內容 (會議室 1) Topics & Speakers of Group Discussion (Meeting Room 1)	
1050-1105	從澳門互聯網的應用看智慧城市的建設 Topic: Building a Smart City in Macao from the Perspective of Internet Usage 澳門互聯網研究學會 會長 張榮顯 博士 Speaker: Dr. Angus Cheong, President of Macao Association for Internet Research (MAIR) 邀請人士：社會各界人士 Distinguished Guest: Members of the Public			
1105-1120	HKIX 分享發展 (視像會議形式) Topic: HKIX Development Sharing (Via Video Conference) 香港中文大學 資訊科技服務處 副處長 鄭志豪 先生 Speaker: Mr. Cheng Che Hoo, Associate Director of Information Technology Services Centre (ITSC) of The Chinese University of Hong Kong 邀請人士：社會各界人士 Distinguished Guest: Members of the Public			
1120-1140	茶歇 (Tea Break)			
1140-1200	MTel 接入網絡技術 Topic: MTel Access Network Teachnologies MTel 電信有限公司 接入網絡發展總經理 李鍵鵬 博士 Speaker: Dr. Gordon K. P. Lei, General Manager of Access Network Development of MTel Telecommunication Company Limited 邀請人士：社會各界人士 Distinguished Guest: Members of the Public		MONIC 小組工作坊 MONIC Internal Group Workshop 邀請人士：MONIC Distinguished Guest: Members of MONIC	

1200-1220	**智慧城市的無線接入技術** **Topic: Wireless Access Technology for Smart City** 澳門科技大學 資訊科技學院 趙慶林 副教授 Speaker: Dr. Zhao Qing Lin, Associate Professor of Faculty of Information Technology of Macau University of Science & Technology (MUST) 邀請人士：社會各界人士 Distinguished Guest: Members of the Public		
1240-1415	午宴 (受邀請的嘉賓) 電信管理局贊助 Lunch (Participants will be the Honored Guest Invited), Sponsored by Bureau of Telecommunications Regulation (DSRT)		
1430-1530		**互聯互通-澳門智慧城市基礎建設與規劃** **Topic: Interconnection & Mutual Communication-** **Infrastructure & Planning for Macao Smart City** 澳門互聯網資訊中心，HNET 亞洲有限公司 營運總裁 梁耀漢 先生 Moderator: Mr. Holmes Leong, Chief Operations Officer of Macao Network Information Centre (MONIC), HNET Asia Ltd **澳門電訊業界及社團機構** Attendees: Experts or Representatives within Telecommunication Industry & Other Associations	
1530-1550	茶歇 (Tea Break)		
1550-1650	**DNSSEC 工作坊** **(DNSSEC Workshop)** 澳門互聯網資訊中心，HNET 亞洲有限公司 軟件工程師 梁嘉碧 小姐 Speaker: Ms. Becca Leong, Software Engineer of Macao Network Information Centre (MONIC), HNET Asia Ltd 邀請人士： 社會各界人士及電訊業界專業人士 Distinguished Guest: Members of the Public & the Professionals within the Telecommunication Industry	**IPv6 工作坊** **(IPv6 Workshop)** 澳門互聯網資訊中心，HNET 亞洲有限公司 營運總裁 梁耀漢 先生 Speaker: Mr. Holmes Leong, Chief Operations Officer of Macao Network Information Centre (MONIC), HNET Asia Ltd 邀請人士： 社會各界人士及電訊業界專業人士 Distinguished Guest: Members of the Public & the Professionals within the Telecommunication Industry	
1650	論壇圓滿結束 (Closing)		

Number of Attendees:

	Opening Ceremony	Main Forum	Workshop
No. of expected attendees	90	110	30
No. of attendees presented	83	83	10
No. of attendees absented	0	0	0
No. of walk-in attendees	13	13	2

Detailed List:

Name of Organizations	Name & Title of Representatives	Total Number of Representatives
Macau Productivity and Technology Transfer Center (CPTTM)	Dr. Shuen Ka Hung, Director General and three other representatives	4
Macao Network Information Centre (MONIC)/ HNET Asia Limited	Mr. Holmes Leong, Chief Operations Officer and six other representatives	7
MTEL Telecommunication Company Limited	Dr. Michael Choi, Chairman and Chief Executive Officer; Mr. Kenneth Vong, Special Consultant of Executive Office; Ph.D. Chang Kam Meng (Donald), General Manager of Information Technology Department; Mr. Manuel Remedios, Chief Technical Officer; Mr. Eric Chan, General Manager of Internet Development Strategy; Mr. David Leong, General Manager of Data Centre; Mr. Antonio Wong, General Manager of Business Plan; Dr. Gordon Lei, Deputy Manager of Wi-Fi Development; Mr. Tiago Antonio Bernardes, Deputy Manager of International Business Development Mr. Damien Silva, IPLC Coordinator of	11

	International Business Development; Mr. Jacky Wong, Software Engineer of IT & Value-Added Services	
Hutchison Telephone (Macau) Company Limited (Hutchison Telephone Macau)	Mr. Ho Wai Ming, Chief Executive Officer; Mr. Windus Lam, Chief Operation Officer; Mr. Issac Cheong, Manager of Marketing	3
China Telecom (Macau) Company Limited (CHINA TELECOM)	Mr. Samuel Chan, Assistant General Manager; Mr. Zhang Chunhui, Head of Senior Technician, ICT Ms. Bi Rui, Manager of Senior Technician, Network Department	3
Macao Science Center (MSC)	Mr. Cheong Hung Fat (Sylvester), Deputy Curator; Mr. Oscar Leong, Head of Education & Exhibits Department and two other representatives	4
Bureau of Telecommunications Regulation (DSRT)	Mr. Ip Chi Kan (Billy), Division Head of Telecommunications Resource Management; Mr. Chan Chi Keong & Mr. Tang Kai Lam, Senior Technician (Superior); Mr. Pun Chi Wai & Mr. Hoi Chong Tou, 2nd Class Technician	5
DotAsia Organisation (DotAsia)	Mr. Edmon Chung, Chief Executive Officer	1
Macao Association for Internet Research (MAIR)	Dr. Angus Cheong, President; Ms. Athena Seng, Director; Mr. Henri Lai, Council Member	3
Macao Computer Society (MCS)	Mr. Adam Iao, President; Mr. Michael Chan, Director General; Mr. Terrence Ng, Deputy Director General	3
E-Commerce Association of Macau (ECAM)	Mr. Scott Ma, President; Mr. Kent Tong, Director General	2
Institute of Electrical and	Dr. Cheang Tak Son (Thomas), Consultant;	2

Electronics Engineers of Macau (IEEE Macau)	Prof. Li Jian Qing, Chairman of Executive Board	
The Youth Committee of Information Technology Association (YITA)	Mr. Choi Chin Chong, President; Ms. Katharina Chang, Council Member	2
Computer Chamber of Macau (CCM)	Mr. Au Ka Fai (Johnny), Director; Mr. Li Lei Cheng, Vice President; Ms. Luk Kit Ling, Member	3
Collective Wisdom Policy Center (CWPC)	Ms. Cheung Sok Ling, Executive Member of Council & Head of Secretary; Ms. Chan Miu Chi, Research Coordinator	2
Open Source Software Association (OSSA)	Mr. Tse Bo Ho, Council Member	1
Macau Cable Television Company Limited (MCTV)	Mr. Tam Mong Peng (Ricky), Chief Operations Officer; Mr. Xeque H. Hamja, Chief Strategy & Development Officer	2
Smartone Mobile Communication (Macau) Ltd (SmarTone)	Mr. Roger Kuong, Director of Engineering; Mr. Paul Lam & Mr. Keith Chao, Assistant General Manager of Network Operations & Service Development;	3
Liaison Office of The Central People's Government in The Macao Special Administrative Region	Mr. Zhang Teng, Deputy Director of General Affairs Office	1
Macao Postal Savings (CEP)	Ms. Van Mei Lin (Milly), Chief	1
Public Administration and Civil Service Bureau (SAFP)	Mr. Chan Chi Kin (Thomas), Head of Electronic Governance Planning & Infrastructure Division, Electronic Governance Department; Ms. Chau Cheuk Kwan, Mr. Ip Kam Weng (Wain) & Mr. Lei Chan, Senior Officer of Electronic Governance Planning & Infrastructure Division, Electronic	4

	Governance Department	
Macao Government Tourist Office	Mr. Choi Cheong Hong (Herbert), Head of Information Technology Division	1
Macau University of Science & Technology (MUST)	Dr. Zhao Qing Lin, Associate Professor of Faculty of Information Technology	1
Macao Public Governance Research Center	Mr. Cheong Kin Seng (Andrew), Director	1
Nam Kwong Oil	Mr. Zhu Ding Kun, Director of Information Technology	1
BestWare Computer Company Limited	Mr. Andrew Ng, General Manager	1
Clover Computer Limited	Mr. lam Ho Tin, Programmer; Mr. Cheong Wai Hang, Designer	2
The Macao Water Supply Company Limited	Mr. Billy Chan, Information Services Officer of Information Services	1
Companhia de Equipamentos Master, Limitada	Mr. Lei Loi Seng (Captain), Managing Director	1
Airport Information Management Solutions (AIMS)	Ms. Lily Zeng, Deputy Director of Business & Marketing Department	1
CEM	Mr. Leo Wong, Engineer of Infrastructure Management Unit, Information Systems Department	1
Ponte 16	Mr. Frank Lam, IT Manager	1
Seapower Trading Company Limited	Mr. Carleton Ng, MIS Manager	1
Guardforce (Macau) Limited	Mr. Che Kam Man (King), IT Officer	1
Lotus Macau	Mr. Billy Wong, Deputy Chief Technical Officer; Mr. Liu Liang Liang, Engineer	2
	Total	83

Media:

Macao Daily News, Tai Chung Daily, Macau Convention & Exhibition Economy Journal & Hou Kong Daily.

Venue:

Main Venue- Meeting Room 3 & 4 of Macao Science Center

Group Discussion- Meeting Room 1 & 2 of Macao Science Center

Rental Cost for 1 day is approximately at around MOP 18,400 and is sponsored by Macao Science Center.

Transport:

Macao Network Information Centre (MONIC)/ HNET Asia Limited provides a two-way bus service during the lunch time.

Future Plan:

(1)

Organize Macao Internet Governance Forum 2017 (Macao IGF 2017)

Date: TBC

Location: TBC

Theme: TBC

Organizers: TBC

Result:

This forum aimed at extending the spirit of last IGF, added in a new theme for discussion: Smart City; with professional speech & interaction with audiences, the atmosphere tends to an active exchanging one. Hence, the moderators of IPv6 & DNSSEC Workshop are Chief Operations Officer & Software Engineer of MONIC which they were to elaborate & answer the queries of the participants.

On the other side, our key topic- Internet eXchange, IX, it was our honor to invite the Associate Director of Information Technology Services Centre (ITSC) of The Chinese University of Hong Kong to hold a video conference for HKIX Development Sharing & we also have our Chief Operations Officer to hold a workshop for further discussion on the main concept of Internet eXchange, IX and the deployment of Internet eXchange Point, IXP.