

財團法人台灣網路資訊中心因公出國人員報告書 109年3月6日

報告人姓名	呂愛琴 許乃文、江進榮	服務單位及職稱	總工程師兼董事長特助 組長
出國期間	109/2/16-24	出國地點	澳洲墨爾本
出國事由	參加 APTLD 墨爾本會議		
報告書內容包含： 一、 出國目的 二、 會議行程 三、 考察、訪問心得 四、 建議意見			
授權聲明欄	本出國報告書同意貴中心有權重製發行供相關研發目的之公開利用。 授權人： 呂愛琴 許乃文 江進榮 (簽章)		

附註二、請於授權聲明欄簽章，授權本中心重製發行公開利用。
 附一、請以「A4」大小紙張，橫式編排。出國人員有數人者，依會議類別或考察項目，彙整提出報告。

一、 出國目的：

本次係參與 APTLD77 墨爾本會員會議暨年度會員大會 (Annual General Meeting, AGM)。會議主題係針對網與名稱相關政策、推廣與技術等面向之議題進行討論，在整體議題上以政策和技術雙軌平行進行。議題內容包括域名註冊政策、域名濫用處理及爭議處理機制行銷策略及管道、IDN 發展會員註冊資料分析及網路治理等內容。

年初的 APTLD 會議亦為年度會員大會，APTLD 的會員分為 Ordinary member 和 Associate Member 兩類，截至目前為止，共有 48 個 Ordinary member，17 個 Associate member。會員大會係以 Ordinary 會員為主。會議中通過幾項組織發展重要議題，其中包括未來公司登記地的變更、2019 年主要工作成果及財務報表之報告、2020 年工作方向及 2020 預算報告。除此之外也通過四位新上任的董事 Gihan Dias (.LK)、Erhan Karabardak (.PG)、Brent Carey (.NZ) 及 Yudho Giri Sucahyo (.IN)，董事任期二年，各董事的簡歷，請參閱 <https://aptld.org/about/about-board.html>。

除會議外，與其他會員的交流是非常重要的環，這些 Ordinary 會員均為 ISO 3166-1 國碼中，亞太地區 ccTLD 的代表國家。藉此交流平台上可以分享各國的經驗。

二、 會議行程：

APTLD 會議議程: <https://www.aptd.org/meeting/meetings.html>

Day 0. Feb 18	Session	Venue
9:00-10:00	Trainees Registration	
10:00-16:30	<p>Training Session Day 1</p> <p>Marketing Up: How to Promote Relations between a ccTLD and Government</p> <p>The purpose of the training session is to share a set of techniques which should help ccTLDs navigate their way in a very complex environment and effectively communicate with government agencies.</p> <p>For the start, Joe Alagna (Afilias) will share some universal marketing principles and techniques that are applicable and relevant in the context of GR.</p> <p>After that, Mr. Ian Hanke, a renowned Australian expert in GR and Communications, will walk the audience through crisis communication principles and instruments in dealing with Government.</p> <p>During the concluding session, Leonid Todorov, GM APTLD, will share practical tips and tricks, and offer a drill to simulate a real-life situation and to help the trainees recap on the knowledge gained.</p> <p>10:00-11:30 Session 1 11:30-12:00 Coffee break 12:00-13:30 Session 2 13:30-14:30 Lunch 14:30-16:00 Session 3 16:00-16:30 Afternoon tea break</p>	Wool (Lower Ground)
Day 0. Feb 19	Session	Venue

9:00-17:00	<p>Training Session Day 2</p> <p>Cybersecurity: Securing Registry IT Systems And Security Incidents Management</p> <p>Delivered by a tandem of seasoned IT professionals from the .LK Domain Registry and TechCERT Sri Lanka, this workshop will enhance APTLD Members’ technical staff’s knowledge and hands-on experience in handling a cyberattack on a domain registry’s IT infrastructure on the basis on a simulated attack.</p> <p>Four 1.5h-long sessions will walk the trainees through security of IT systems and DNS; some possible attacks and ways to detect, identify and mitigate them; and post- attack recovery action plans.</p> <p>As well, while handling a simulated attack, they will work in teams to identify and respond to the attack, with the best performing team earning a special award :-). </p> <p>Trainees are expected to possess a working experience in managing IT systems including registration systems, DNS management, and to be involved in cybersecurity operation. They are also expected to have laptops configured with predefined tools/OS/Applications which they will be suggested to download shortly before APTLD77.</p> <p>8:30-9:00 Trainees registration 9:00-10:30 Session 1 10:30-11:00 Coffee break 11:00-12:30 Session 2 12:30-13:30 Lunch 13:30-15:00 Session 3 15:00-15:30 Afternoon tea break 15:30-17:00 Session 4</p>	Wool (Lower Ground)
Day 1. Feb 20	Session	Venue
08:30-09:00	Registration	

09:00-09:15	<p>Introductory Session</p> <p>This short session is intended to set the tone for the Meeting and update Members on APTLD's major developments in 2019 and plans for 2020.</p> <p>Moderator: Alister Paterson, .AU</p> <ul style="list-style-type: none"> • Ai-chin Lu, Board Chair, APTLD • Alan Cameron, auDA Independent Board Chairperson 	Stock & Trade (Lower Ground)
09:15-10:25	<p>Session 1</p> <p>Partner Organizations' Updates</p> <p>A part of a vibrant regional ecosystem, APTLD has consistently developed working relations with numerous peers, who will share their perspectives on recent developments in their realm, across Asia Pacific and beyond.</p> <p>Moderator: Ai-Chin Lu, APTLD</p> <ul style="list-style-type: none"> • David Conrad, ICANN • Lianna Galstyan, APRALO • Stephen Deerhake, ccNSO: Empowered Community Administration update and ccTLD Retirement WG update • Rajnesh Singh, ISOC: An update on ISOC activities and the Asia Pacific Regional IGF • Paul Wilson, APNIC • Edmon Chung, dotAsia: An update on dotAsia's activities and Asia Pacific Internet Governance Academy • Satish Babu, APSIG • Cherie Lagakali, Pacific Islands Chapter of the Internet Society 	Stock & Trade (Lower Ground)
10:25-10:30	The ceremony of signing MoU between APTLD and PICISOC	
10:35-11:10	Coffee Break & Official Group Photo	
11:10-12:20	<p>Session 2</p> <p>Members' Updates</p> <p>APTLD Members work tirelessly across the region, and their operations are as diverse as the</p>	Stock & Trade

	<p>region itself. In the session, they share the most exciting developments they have accomplished to date.</p> <p>Moderator: Yudho Giri Sucahyo, ID</p> <ul style="list-style-type: none"> • Patrick Donaldson, Afiliast & Bruce Tonkin, .AU • Askhat Gimranov, .UZ • Sachini Shakila, .LK: Hithawathi- a new social project for Sri Lanka • Satsuki Hori, .JP: DNSSEC key signing ceremony and the role of TCR • Wilson Wong, .HK: Web Accessibility Recognition Scheme (“WARS”) in Hong Kong • Isnawan Isnawan, .ID: Information Security Management for Registry Operation based on ISO/IEC 27001:2013 - Case Study: .id 	
12:20-13:40	<p>Session 3</p> <p>Brainstorming Session for ccTLDs in the Pacific</p> <p>Fairly rare attendants of APTLD Meetings, the Pacific ccTLDs’ representatives will share updates on their organizations’ operation followed by a team exercise to help them develop the vision and strategies to enable an expansion of their ccTLDs, for it was told centuries ago, No one saves us but ourselves. No one can and no one may. We ourselves must walk the path.</p> <p>Facilitator: Brent Carey, .NZ</p> <ul style="list-style-type: none"> • Taimane Tony Saaga, .WS (remotely) • Norman Warput, .VU & Rohan Durrant, Neustar • Fereti Atalifo, .FJ • Zoshka Detenamo, .NR 	Stock & Trade
13:40-14:40	Lunch	
14:40-15:40	Session 4A (Venue: Stock & Trade)	Session 4B (Venue: Wool)

	<p>ccTLDs and Internet Governance</p> <p>ccTLDs are at the core of the Internet governance process within their territory. This session will start with very short presentations on what some registries are doing for Internet governance. Then the audience will be working in teams to contribute to making the Internet's future better.</p> <p>Moderator: Jordan Carter, .NZ</p> <ul style="list-style-type: none"> • Hiro Hotta, .JP: "DNS Root server governance" • Peter Tonoli, .AU • Dehigaspitiyage Don ("DD") Prabhath, .LK: Improving the ICT Literacy of the Sri Lankan Community • Sergey Povalishev, .BY 	<p>Technical: Time to Get UA Ready</p> <p>With APTLD being home to the biggest number of IDNs, there is no dearth of IDN evangelists, now ready to translate their experience into action. The session will focus on next steps of transforming IDNs into a driver of the growing global domain space for the benefit of next billions of users.</p> <p>Moderator: Gihan Dias, .LK</p> <ul style="list-style-type: none"> • Nitin Walia, Data Xgen Technologies • Saysomvang Souvannavong, .LA: An Update on the LAO IDN (ລາວ) Management and Promotion • Thaniya Wongsuanoom, .TH • Dušan Stojičević, Gransy s.r.o (remotely) • Edmon Chung, dotAsia 	
15:40-16:40	<p>Session 5A (Venue: Stock & Trade)</p> <p>Marketing Strategies for Asia Pacific ccTLDs</p> <p>The session will attempt to highlight on</p>	<p>Session 5B (Venue: Wool)</p> <p>Technical: The Future of IDN ccTLDs</p> <p>Is there life on Mars? Will the humankind ever</p>	

	<p>good-practice marketing strategies which may be relevant for APTLD members in their efforts to craft a game plan for reaching prospective registrants and turning them into loyal audience for ccTLDs's products and services.</p> <p>Moderator: Andrew Molivurae, .VU</p> <ul style="list-style-type: none"> • Ilia Bazlyankov, EDOMs (remotely) • Will Bond, .AU • Askhat Gimranov, .UZ: Goodbye three-characters, or how I got 15,000 domains registered in one day and left for vacation • Roshini Peter, .LK: The LK Domain Registry's experiences with the domain registration system • Lianna Galstyan, .AM • James Brown, Neustar 	<p>become immortal? These and other questions are not perhaps as tantalizing as the one of whether IDNs have future. A follow-up to Session 5A, it will discuss what can and should be done to ensure that future.</p> <p>Moderator: Nitin Walia, Data Xgen Technologies</p> <ul style="list-style-type: none"> • Dejan Đukić, .RS • Nai-Wen Hsu, .TW • Leonid Todorov, APTLD (remotely) • Thaniya Wongsuanoom, .TH 	
16:40-17:00	Coffee Break		

17:00-18:00	<p>Session 6A (Venue: Stock & Trade)</p> <p>Channel Marketing Practices for ccTLDs</p> <p>Marketing gurus love big words to disguise simple things– bet you did not suspect you have already practiced channel marketing for quite a while, did you? Don't get confused as you are going to have good guides to walk you through very trivial yet important things (thus themselves being a part of this channel marketing exercise ^_^)</p> <p>Moderator: Daniel Young, .AU</p> <ul style="list-style-type: none"> • Mikhail Anisimov, .RU • Greta Adamo, Afilias • Sergey Povalishev, .BY • Fernando Espana, Neustar 	<p>Session 6B (Venue: Wool)</p> <p>Applicable Data Science for ccTLDs</p> <p>Moderator: Steph Viljoen, .AU</p> <ul style="list-style-type: none"> • Patrick Myles, NetKnowledge • Jan Horak, Gransy s.r.o. 	
18:30-22:45	Members Gala Dinner		
Day 2. Feb 21	Session		Venue
9:00-10:30	<p>Session 7A (Venue: Stock & Trade)</p> <p>Registrations Takedown Policies and Case Studies</p>	<p>Session 7B</p> <p>Security: The House of Repelled Cyber Threats (Part I)</p> <p>An experimental session to the Neustar</p>	

	<p>Moderator: Erhan Karabardak, APTLD Board</p> <ul style="list-style-type: none"> • Steph Viljoen, .AU • Dejan Đukić, .RS • Raedene McGary, CentralNic • Ian Chiang, .TW 	<p>Operations Site</p> <p>Neustar will be hosting a tour for a select number of APTLD attendees of the Network & Security Operations Centre (NOC/SOC) located at its Melbourne office. The tour will take the format of a security and operational walkthrough, followed by interactive sessions to discuss other functions involved in operating a ccTLD, including technical, marketing and administrative sessions. The invite will be extended to a select group of participants and will be formed on a first come, first served basis following Members signing up for the tour via a Doodle poll to be run by APTLD on January 15 to January 31 2020.</p> <p>Departure from the venue (Intercontinental the Rialto) at 8:40am.</p>	
10:30-10:40	Technical Break -		
10:40-11:40	<p>Session 8A (Venue: Stock & Trade)</p> <p>Domains Names Valuation: Fundamentals and Practices</p> <p>Rarely the question is</p>	<p>Session 8B</p> <p>Security: The House of Repelled Cyber Threats (Part II)</p> <p>The Neustar NOC/SOC tour continued</p>	

	<p>asked, how to assess a domain's value. Some members are working on a magic formula, while others tackle the matter intuitively. Either way, the time has come to discuss the economics of domain names and share some practices in this respect.</p> <p>Moderator: James Shady, .AU</p> <ul style="list-style-type: none"> • Kalin Karakehayov, Seo Domains (remotely) • Angelo Giuffrida, Ventra IP • Irina Danelia, .RU • Patrick Donaldson, Afiliast 	<p>Return to the Intercontinental the Rialto at 12pm</p>	
11:40-12:00	Coffee Break -		
12:00-13:30	<p>The APTLD Members Annual General Meeting (Part 1)</p> <p>At the meeting (open to the Ordinary Members only), the community will:</p> <ul style="list-style-type: none"> • Approve nominations of the ascending Board members • Endorse the Board Chair Report for 2019 • Approve the 2019 APTLD accounts • Discuss other matters of general concern 		Stock & Trade

13:30-14:30	Lunch -	
14:30-15:30	The APTLD Members Annual General Meeting (Part 2) At the meeting (open to the Ordinary Members only), the community will discuss APTLD's operation in 2020.	Stock & Trade
15:30-16:00	Coffee Break -	
16:00-17:00	Concluding Session Moderator: Leonid Todorov, APTLD <ul style="list-style-type: none"> • Fellows' Reports and Takeaways • Chair's concluding remarks and closure of the Meeting • Housekeeping announcements 	Stock & Trade
17:30-19:00	Board Retreat	Richard Speight Room
Day 3. Feb 22	Members' Networking Event	

三、考察、訪問心得：

本次 APTLD77 會議由澳洲.au ccTLD 管理單位.au Domain Administration Ltd. (AUDA)主辦，另有 Afilias、Neustar、CentralNIC 及 VentralIP 四個贊助單位。

除 APTLD 會員外也邀請 ICANN、ccNSO、ISOC、APNIC、APRIGF、APIGA 及 PICISOC 等其他網際網路相關組織共襄盛舉。本次會議地點位於太平洋區域，主辦單位 AUDA 也特別贊助太平洋地區的會員參與，以吸取相關推廣與技術的經驗與資訊。

計有近 130 位相關單位代表報名參與本次會議並就各項專題進行報告與討論。



照片來源: APTLD

Pre-Meeting

正式會議前，先辦理二日的教育訓練場次提供 APTLD 會員，此次教育訓練第一天以域名推動為主，第二天則以技術發展為主，主題包括為 Marketing Up: How to Promote Relations between a ccTLD and Government 及 Cybersecurity: Securing Registry IT Systems And Security Incidents Management 。

Marketing Up: How to Promote Relations between a ccTLD and Government 場次中，由 Joe Alagna (Afilias)、Ian Hanke 及 Leonid Todorov (APTLD GM)等三位專家就 ccTLD 管理單位如何與政府單位建立並提升彼此關係的實務作法及原則進行分享。



照片來源: APTLD

本課程的目的是分享溝通的技巧，這應有助於引導 ccTLD 在非常複雜的環境中與政府機構進行有效溝通。首先，Joe Alagna

(Afilias)分享一些通用的行銷原則和技術，這些原則和技術適用於政府關係的建立。之後，由澳洲著名的溝通專家 Ian Hanke 引導與會者了解與政府溝通時的危機處理原則和手法。最後由 APTLD GM Leonid Todorov 分享實用技巧，提供真實情況的模擬演練，並幫助與會者利用之前專家分享的專業知識與經驗。



照片來源: APTLD

Cybersecurity: Securing Registry IT Systems And Security Incidents Management 場次中，則由斯里蘭卡.LK 管理單位及 TechCERT 的 IT 專家分享網路攻擊及應變的實務與工作經驗。四個場次的課程使與會者可了解 IT 系統和 DNS 的安全性；一些可能的攻擊手法以及檢測，識別和緩解它們的方法；以及攻擊後恢復行動計劃。

APTLD77 members Meeting

正式會議開幕由 APTLD 主席呂愛琴及澳洲主辦單位 AUDA 主席 Alan Cameron 致歡迎詞，歡迎各與會代表的參與並分享 APTLD 在 Capacity Building 的成果。



APTLD 董事會主席呂愛琴
照片來源: APTLD



AUDA 獨立董事會主席 Alan Cameron
照片來源: APTLD

APTLD 各夥伴組織進行工作成果以及未來工作方向，並探討與 APTLD 合作之可行性，包括 ICANN、APRALO、ccNSO、ISOC、APNIC、dotAsia、APSIG 及 ISOC Pacific Islands Chapter (PICISOC)等單位。

值得一提的是，此次 APTLD 更與 PICISOC 簽屬合作備忘錄，目前 APTLD 大約有 10 個會員國隸屬在太平洋地區，所以如何在此地區共同推動活動或共同舉辦教育訓練，在人力物力成本上達成雙贏局面是主要合作的目標，當然最主要的是雙方承諾藉以教育訓練等外展活動，來提升 APTLD 太平洋地區會員的域名註冊業務管理與技術能力的提升。



照片來源: APTLD

開幕後會議以分組同時進行，A 組就網路治理、行銷策略與管道、域名下架機制、域名價值評估等議題進行報告與分享；B 組則討論 IDN、資料分析等議題，隔日上午另安排至 Neustar 的墨爾本辦公室的 NOC/SOC 進行實地訪查，並就網路安全技術、營運及管理 etc 交換意見。



照片來源: APTLD



照片來源: APTLD



照片來源: APTLD

在會員大會中通過 4 席董事改選，包括 Brent Carey (.NZ)、Gihan V. Dias (.LK)、Erhan Karabardak (.PG)及 Yudho Giri Sucahyo (.ID)，並感謝卸任董事 Hasnul Fadhly B Hasan(.MY)在任期中的付出與貢獻。會中另通過 2019 年度決算，並關於 APTLD 組織註冊登記的地點議題，預計將於本次會議之後展開意見徵詢及蒐集的工作。

之後董事會推選呂愛琴(.tw)續任 APTLD 主席，副主席為 Gihan V. Dias (.LK)，Qiang Li (.CN)擔任 Treasurer 負責財務督導，Erhan Karabardak (.PG)擔任 Secretary 負責秘書事務，任期由 2020 年 2 月 21 日起生效。APTLD 秘書處服務預計於 2020 年 6 月 30 日到期，董事會表示基於 CNNIC 擔任秘書處的傑出表現及表達持續服務的意願，董事會同意展延服務合約至 2023 年 6 月 30 日。

本次會議完整議程及簡報可參閱:

https://www.aptd.org/meeting/201909/meeting_83.html。

APTLD 下次會議將於 2020 年 9 月 3-4 日於台北舉行，相關會議資訊可參閱: <http://aptd78.tw/>。

四、建議事項

我國已爭取 APTLD78 來台舉辦，預計今年 9 月假台北凱撒飯店舉辦，本中心將積極籌辦相關會議準備工作。