

SPONSORS

PENTESTER
ACADEMY



www.pagcor.ph



MANTUA
CONSULTING



ABOUT ROOTCON

ROOTCON is not your fly-by-night conference, we have gained respect from the Information Security and Hacker community since 2008. We can humbly claim that we are the largest and the longest information security and hacking conference in the country.

ROOTCON is known for its high-caliber foreign technical speakers, exciting contest quality, and registration cost efficiency. We have brought to the Philippines sought-after and credible speakers that other groups have not been able to get. At the same time, we have been successful in keeping access to the conference affordable for the hacking community. This balance between content and affordability is the reason ROOTCON has been consistently a huge success.

ROOTCON 13 THEME

Our theme this year is “The Two Faces of Tomorrow” a novel written by James P. Hogan, the book depicts that technology had become much too complicated for humans to handle—and the computer network that had grown up to keep civilization from tripping over its own shoelaces was also beginning to be overwhelmed. Even worse, it was becoming part of the problem. Computers were logical, but not reasonable, and some of the rigorously logical solutions the silicon governors came up with had come terrifyingly close to causing fatal accidents.



ELITE SPONSORS



Accenture is a leading global professional services company, providing a broad range of services and solutions in strategy, consulting, digital, technology and operations. Combining unmatched experience and specialized skills across more than 40 industries and all business functions — underpinned by the world's largest delivery network.

ACWdistribution

a member of ACW Group

ACW Distribution (Phils.), Inc. is a value-added IT Distribution company. We represent best-of-breed solutions that provide value to our SMB and Enterprise customers. Our product portfolio addresses the key issues affecting most businesses today - integration, security, scalability, availability, compliance, business intelligence, and control.



NullForge Security, Inc. is a premier Information Security company helping businesses protect their data, people, and their brands. Our passion and dedication to Information Security greatly reduce security risks and enable companies to focus on their core business.

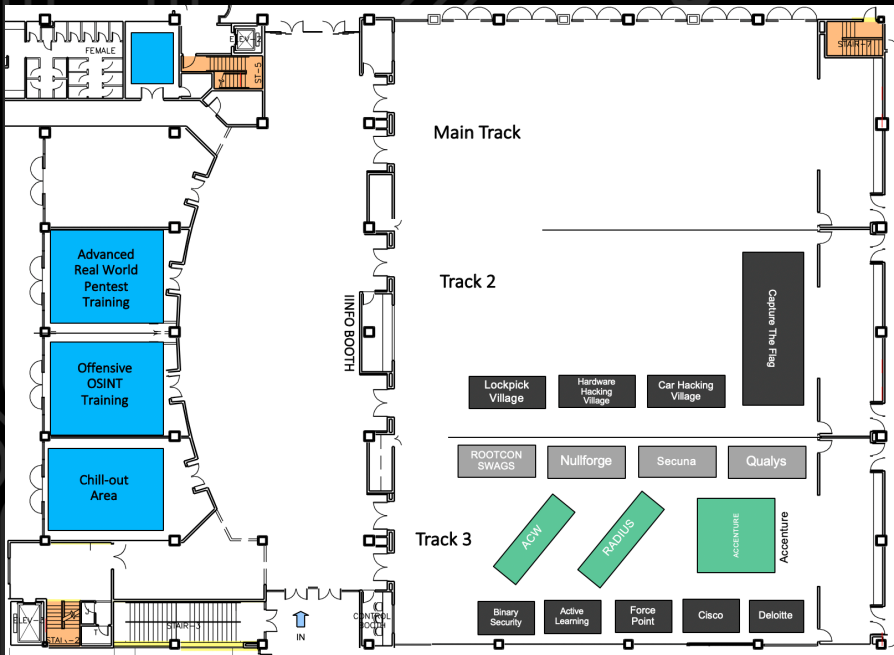


As a leader in cloud-enabled applications and infrastructure, Microsoft is by necessity also a leader in cybersecurity. Our holistic view spans identity and access management, threat protection and response, information protection and intelligent security management.

VENUE

LET YOUR PAST MEET YOUR PRESENT

Taal Vista Hotel is a place that will leave you floating in nostalgia with treasured past times and countless generations. Away from the ordinary city life, our cozy rooms and excellent service will bring people closer together. For those who long for the feeling of being at home again, the only place to be is in this Tagaytay hotel. Tagaytay City is suitable for both leisure and business, so get to know more about this classy accommodation that started it all with our appetizing dining buffet and an outstanding line of events. During your stay, you will learn to fall in love with the stories behind Taal Vista Hotel.



ADVANCED TRAININGS

DAY ZERO

OFFENSIVE OSINT

RECONNAISSANCE, the very first phase of any Risk Assessment Exercise, is often underestimated by many security professionals. Every pentester's arsenal should, however, include Open Source Intelligence (OSINT) and active reconnaissance for an effective assessment and measure the security posture against real world adversaries. This training not only talks about using OSINT to extract data but also focuses on the significance of this data and how it could be directly enriched and used offensively for attacking and compromising Modern Digital Infrastructures.

ADVANCED REAL WORLD PENTEST

This fast-paced course will teach you how to leverage bleeding edge toolsets and techniques to conduct effective, in-depth penetration tests on the latest, real world network, web and application components. This highly intense, completely hands-on lab based curriculum has been created by our team of industry leading experts with experience in training thousands of professionals from Fortune 500 enterprises, defense and law enforcement agencies. The class will be conducted on our cloud based, state of the art lab platform where attendees will be doing 10 unique lab exercises in class! Over 90% of class time will be spent on these hands-on, live penetration tests! Apart from the presentation PDFs, lab handouts, workbooks, video solutions, etc. we will also be providing all students 30 Days of free access to our online lab platform after the class! This will ensure you have enough time to revisit the concepts and try the demos again later. The lab exercises will be challenge based and will contain mixed environments using the below components:

DAY 1

08:30 - 09:00
ROOTCON 13 Opening

09:00 - 09:30
Keynote

09:30 - 10:15
Navigating the Shift from Opportunistic to Targeted Ransomware by:
Christopher Elisan

10:15 - 11:00
APAD: An EDR Grade Agent for Wi-Fi Access Points

11:00 - 11:30
SpeedTalk: Core Security

11:30 - 12:15
Farewell, WAF - Exploiting SQL Injection from Mutation to Polymorphism
by: Boik Su

12:15 - 13:00
LUNCH BREAK

13:00 13:45
The Man-In-The-Middle attack against a certain password manager by:
Soya Aoyama

13:45 14:30
Pilot Study on Semi-Automated Patch Diffing by Applying Machine-
Learning Techniques by: Asuka Nakajima

14:30 15:00
Speed Talk: Accenture

15:00 15:45
SAML Assailant by: Narayan Gowraj

15:45 16:30
Identity crisis: war stories from authentication failures by: Vishal Chauhan

16:30 17:00
Closing Remarks Day 1

PARTIES & MEET-UPS

ZERO-HOUR PARTY

We hack hard, but we party harder, the ROOTCON ZerØ Hour party is the largest hacker party in the country. A good venue to meet and network with the hacking community. Drinks are on us!

Where: Bells & Whistles

When: September 27, 2019

2000 HRS



Sponsored by:

Program

19:00 - Dinner / Networking

20:00 - Hacker Jeopardy

22:00 til you drop! - Live Band, Drinks, and more.



MANTUA
CONSULTING

MICROSOFT LIVE HACKING

Microsoft will be hosting a Live Hacking event.

Where: Track 2

When: September 26, 2019 2000HRS

Unlimited free flowing drinks for two hours!

CONTESTS

CAPTURE THE FLAG

The most gruelling game in every heart of a hacking conference is here at ROOTCON as well!

Organized by Pwn De Manila

Proudly tracing our roots from way back ROOTCON X, Pwn De Manila is now committed to making intellectually-rewarding and painfully-meaningful CTF challenges that aim to meet ROOTCON's reputation and tradition of bringing organized chaos to con-goers every year.



HACKER JEOPARDY

If you enjoy the company of sharp brains, cold beers and hot babes, you'll feel right at home with Hacker Jeopardy. Whoever said geeks don't know how to party has obviously never registered yet in the largest premiere hacking conference in the country.

Where: Bells & Whistles

When: Septemberr 27, 2019, 1900



DAY 2

09:00 - 09:30

Speed Talk: ISOG

09:30 - 10:15

Dissecting APT Malware against Taiwan in 2019 by: Bletchley Chen & Inndy Lin

10:15 - 11:00

Behind LockerGoga – A walk through a ransomware attack worth 40m\$ by: Magda Lilia Chelly

11:00 - 11:45

Hunting Threats with Wireshark Plugins by: Nishant Sharma, Jeswin Mathai, & Shivam Bathla

11:45 - 13:00

LUNCH BREAK

13:00 - 13:45

Hacking ICS devices/PLC's for Fun - ICS and IOT Hacking by: Arun Mane

13:45 - 14:30

z3r0 to h3r0 - Targeting Crown Jewels over the Internet by: Viral Maniar

14:30 - 15:15

Making Anomaly Detection system(ADS) for Vehicles (Automotive Hacking) by: Arun Mane & Nikhil Bogam

16:15 - 17:00

Awarding / Closing Remarks by: semprix

101 SESSIONS

HACKING 101

Training Tracks - 10:00 - 13:00

- Basic Hacking Concepts
- Developing the Hacker Mindset
- Where and how to start? (Into hacking)
- Hacking Methodology
- Basic Hacking
- Non-Tech Hacking
- The DarkSide of the Web
- How to Protect Yourself
- Careers in Information Security

CAR HACKING 101

Training Tracks - 16:00 - 17:00

- Building or Starting your Car Hacking Labs
- Car Hacking on a Cheap
- Vehicle Networking Basics
- Demo
- Vulnerability Attack Surfaces

LOCKPICK 101

Training Tracks - 14:00 - 15:00

Locksport

- Rules of LockSport, How to get started, Tools you need, legalities
- How a lock works, parts of a lock, fundamental terminologies
- What makes lock picking possible?
- Exploits and attacks

Single Pin Picking - SPP'ing

- Pin States
- Which picks for SPP
- Types of Tension Wrenches for SPP
- How to: Picking and Tensioning
- Binding Order
- Security Pin SPP'ing

VILLAGES

CAR HACKING VILLAGE

Automotive Security and Car Hacking have

been in the spotlight for almost 4 years now.

More talks and research are geared towards it because it is the trend and we owe it to the Car Hacking Village and of course to Charlie Miller and Chris Valasek. Cars have computers and technologies that hackers can tap into:

wireless, key fobs, CAN Bus, telematics, electronic controllers, ECUs, secure gateways and the infotainment systems.



LOCKPICK VILLAGE

The Lock Picking Village is a demo and participation area. Come to learn and be educated on how security systems work and what vulnerabilities are available for exploit. Exploitation techniques will be demonstrated and will be available for you to try. Not only can you learn about the fun hobby of locksport but you also gain the knowledge on how you can better protect your own property.

