

	Tuesday, October 1			Wednesday, October 2		
	Morning	Afternoon	Evening	Morning	Afternoon	Evening
Event Space (Floor 10)	Registration + Exhibition + Coffee			Registration + Exhibition + Coffee		
Auditorium (Floor 7)	Open Tech					
X1AB (Floor 10)		Artificial Intelligence		Cloud, Container, DevOps	Open Tech	
X4B (Floor 10)		Open Source Education + Civic Tech		Open Hardware and Production		
X02/03 (Floor 10)		Break-out/Hands-On		Break-out/Hands-On		
X11.7 (Floor 11)		Databases and MySQL		Internet Universality		
Bangkok City			Social Dinner Event			Asiatique Night Market

## OpenTechSummit Thailand 2019 - Oct.1, Day 1

### Conference Opening Day 1 / Track Open Tech in Auditorium (Floor 7)

9:00	Pachara Nariphthaphan	Welcome (MC)	We believe in making a difference, in using technology as a force to make a positive impact in people's lives. As FOSSASIA's Mission Statement says, we are "bringing together an inspiring community across borders and ages to form a better future with Open Technologies and ICT." Last month, at the UN Climate Change Summit, it took a 15-year-old girl to confront the global establishment with the words: "How Dare You?". If we adopt that as our mantra for the next two days, this summit of OpenSource family members in Bangkok will help walk the talk of two more masterpiece UN slogans, "Creating the Future we Want" and "Leaving No-One Behind."
9:05	Mishari Muqbil, CEO Zymple and OpenTechSummit Organizer	How to Succeed with Your Software Project	Humans have been building bridges for thousands of years, we know how to conceive, design, plan and build them well. Computing is on the other hand is a new and relatively immature field, having existed for less than a century only. At the same time its practitioners have to take up tremendous responsibilities. In this talk I will discuss why some software projects succeed and others don't and how to increase the likelihood of your project's success. An important part in every project is communication and collaboration among team members. Therefore, I will focus specifically on communication strategies with different team members in a project and the question how to communicate challenges effectively to non-technical people, such as your boss.
9:20	Pun-arj Chairatana, Director NIA	How NIA fosters Technology Startups and the Open Source Community	NIA's mission is to support and develop Thailand's innovation system, in both the way of improvement and initiation, to promote economic restructuring and competitive enhancement. During his talk, Pun-arj Chairatana will share how NIA enable Innovative Business Opportunities for Startups through Open Knowledge, Open Tech and Open Innovation Funding Mechanism.
9:35	Misako Ito (Japan) Senior Advisor UNESCO	The importance of FOSS for sustainable development	FOSS can play an important role as a practical instrument for development as its free and open aspirations make it a natural component of development efforts in the context of the Sustainable Development Goals (SDGs).
9:45	Mario Behling (Germany), Founder FOSSASIA	Collaboration in Open Tech as a Model for an Open Society, Entrepreneurship and Innovation	FOSSASIA's mission is to help people improve their life and society. There are a lot of problems all over the world - poverty, lack of education, over-population, to environmental issues like dirty oceans and climate change. These problems can only be solved through global cross-border collaboration. Rather than waiting for an elite of scientists, companies and politicians to solve these problems working together on selected projects, these problems are now so big that we need a more radical approach. We need to engage every single person on this planet and enable them to work together and innovate. We cannot afford to waste any talent. We need millions of projects that are developed and run in a sustainable way. In particular we cannot afford to waste any talents from underprivileged sections of society from the global north as well as the south. Everyone needs to be able to develop their skills to become innovators and become part of this essential effort to ensure the survival of the planet. How can we possibly achieve this? How can we develop technologies that enable people to solve these problems? How can the collaboration and sharing model in the FOSS (Free and Open Source) community be an example for a global collaboration? How can economic models around FOSS be an example for sustainable businesses and future entrepreneurs?
10:05	Marco A. Gutierrez (Spain)	FOSSASIA Academy Selfguided Learning for Future Entrepreneurs with Open Technologies, Science Labs and Robots	The FOSSASIA Academy is the first educational institution exclusively focussing on Free and Open Source technologies. The three main goals are to educate students, to develop coding skills and to enable participants to get employed or become entrepreneurs to employ tech talents. In the academy programs students learn to solve coding tasks independently through self-guided learning. Apart from courses for programming languages such as Python, Java, Go, Web technologies and Linux, students work with trainers on hands-on projects in science labs, create AI solutions or develop prototypes of robots.
10:15	KW Teng (Singapore)	Laser Cutter for STEM and Innovators	How can a Lasercutter benefit students in their STEM education and get them ready to be innovators and entrepreneurs? This is one goal we aim for with the Lasercraft cutter of Lionsforge. Designed from the the ground up to be reliable, user friendly and maintenance free the CraftLaser is a valuable ally to any crafter and a new source of revenue for entrepreneurs. How you use it and what you create with it is only limited by the imagination.
10:30		Coffee Break	

10:50	Dr. Putchong Uthayopas	Lesson learned from the building of a terascale AI server infrastructure	Building an AI service Infrastructure for a large number of researchers is a challenging task due to the complexity of system architecture, hardware and software co-design which need to match the diverse requirement of advanced users. This talk will share some lesson learned from setting up the ARES ( AI Research and Education System) and Poseidon System at Kasetsart University. ARES system is a cluster of NVIDIA V100 GPU consists of 4 nodes servers connecting to a 100Gbps infrastructure. Poseidon is a DGX1 system consists of 8 V100GPU card that has a peak deep learning performance of 1 petaflop. The purpose of this system is to accelerate the deep learning and HPC research activities at Kasetsart University. The lesson learned from system design implementation will be present along with the challenges and solution used for both software and hardware. Currently, this system is up and running for a group of advanced users and will soon publicly open for services at Kasetsart University.
11:05	Tanat Tonguthaisri	Preparing for the Autonomous Vehicle Era	Autonomous vehicle (AV), a.k.a. robotic car, self-driving car, or driverless car has the capability of sensing its environment and moving with little or no human input, the AV is set to revolutionize the way humans travel. The benefits are countless, ranging from reducing road accidents, emissions, drunk driving, and assisting elderly and the disabled. However, there are also risks and issues that need to be addressed. Questions of how it will be regulated and how it will be liable for accidents or criminal actions still remain unanswered. The government sector continues its attempts to answer these questions through various forms of testing in regulatory sandboxes and use cases. There are dozens of cities around the globe already hosting AV trials, including Singapore's Land Transit Authority (LTA)'s sandbox, as well as Chiba and Semboku cities in Japan. Join in the discussion on making AVs a reality.
11:25	Panelists Mario Behling, CEO OpnTec (MC) Pornthep Chatpinyakoo, Director KMUTT Learning Square Misako Ito, UNESCO Pun-arj Chairatana, Director NIA	Creating Opportunities through Open Technologies, Knowledge Sharing and a Sustainable Economy	The biggest tech companies of the world have built their products largely on FOSS technologies. Many startups could only be created because tools and Open Source code created by a community enabled them to do so. How can we creating more opportunities to solve the huge challenges we are facing on this planet with Open Technologies? What role does Asia and Thailand take place in the radical shift to a global knowledge community? How can a sustainable economy be created and what are icon projects and approaches that exist today, which can lead the way? These are a few questions we will discuss in this panel.
12:20	Mishari Muqbil	What's happening at OpenTechSummit Thailand	Tracks, exhibitions, break-out sessions, and activities at OpenTechSummit.
12:25	Open Tech Community	Group Photo	Let's get together for a group photo at the OpenTechSummit 2019 in Bangkok.
12:30		Exhibition Visit (Floor 10)	
13:00		Lunch Break (Floor 9, Cafeteria)	

## OpenTechSummit Thailand 2019 - Oct.1, Afternoon Day 1



### Day 1 / Track Artificial Intelligence in Room X1AB (Floor 10)

14:00	Developers from Around the World	Lightning Talks	A lightning talk is a very short presentation lasting only a few minutes, given at a conference or similar forum. Several lightning talks will usually be delivered by different speakers in a single session, sometimes called a data blitz. Please sign up here: <a href="https://github.com/OpnTec/thai.opentechsummit.asia/wiki">https://github.com/OpnTec/thai.opentechsummit.asia/wiki</a>
14:05	Whatnot Team	KX Knowledge Exchange for Innovation	Not only a Co-working Space, but The Knowledge Exchange is a vibrant community of knowledge sharing to help promote the development of knowledge and lead to build a strong business. นอกเหนือจากให้บริการ Co-working Space แล้ว KX : Knowledge Exchange ยังเป็นศูนย์รวมขององค์ความรู้และเป็นพื้นที่แห่งการแลกเปลี่ยนที่จะช่วยส่งเสริมการพัฒนาความรู้และก่อให้เกิดการสร้างธุรกิจที่เข้มแข็งผ่านกลไกการแลกเปลี่ยนองค์ความรู้และนวัตกรรมโดยพันธมิตรจากภาคส่วนต่างๆ ประกอบด้วยภาครัฐ ภาคการศึกษา และภาคอุตสาหกรรม เป็นต้น KX : Knowledge Exchange มีจุดมุ่งหมายหลักคือการกระตุ้นการสร้างนวัตกรรม โดยมีบริการที่ครบวงจรทั้งพื้นที่ทำงาน องค์ความรู้ และกิจกรรมงานสัมมนา และการให้คำปรึกษาแนะนำในด้านต่างๆ ซึ่งเป้าหมายในอนาคตจะมีอุปกรณ์เพื่อรองรับความคิดที่จะสร้างสรรค์นวัตกรรมใหม่ๆ เพื่อให้ได้ทดลองและต่อยอดไอเดียอย่างเป็นรูปธรรม เช่น เครื่องพิมพ์ 3D Printing เครื่องพิมพ์ CNC และเครื่องตัดเลเซอร์ เป็นต้น อีกทั้งยังมีทีมผู้เชี่ยวชาญจากมหาวิทยาลัยเทคโนโลยีพระจอมเกล้าธนบุรีคอยให้คำปรึกษาเกี่ยวกับธุรกิจทางด้านอิเล็กทรอนิกส์และนวัตกรรมต่างๆ อย่างเป็นมิตร <a href="http://ava.fund">http://ava.fund</a> <a href="https://hbot.io">https://hbot.io</a> <a href="https://wildchain.io">https://wildchain.io</a>
14:10	Lightning Talk	AVA Advisory	
14:15	Lightning Talk	Hbot	
14:20	Lightning Talk	Wildchain	
14:25	More Lightning Talks		
15:00	Boonsak Watanavisit	Blend In : How I sneaked FOSS into CGI Visual Effects Industry	Digital content creation software selections for visual effects was always dominated by a few organizations: Adobe, Autodesk for example. Nowadays, every one of them has adopted the subscription based business model, so users have no other options but to keep paying rental fee for continuous usage of their software. I was aware of the situation so I began my search for alternatives many years ago. Granted, it was a bumpy ride, but it's worth it in the end. Now I do not rely on the so called 'mainstream' software to produce industry standard work thanks to the FOSS community. And I'd like to share my story with you.
15:30		Coffee Break	
16:00	Rushil Sharma; Rutvik Kshirsagar	Kubernetes with Machine Learning using KUBEFLOW	This talk will focus on the rapid containerization of Machine Learning applications using Kubernetes as an Orchestration Solution in the background. In the world of rapid application development and deployment, we are challenged with managing too many application deployments in parallel to beat the competition as the one who deploys the application first usually wins the race. Enter Kubernetes with Machine learning with KubeFlow a very robust solution to deploy you Machine Learning applications along with features such as auto scaling and GPU acceleration for optimum performance. This is going to be a live hands-on demonstration of deploying Machine Learning applications on Kubernetes with an introduction to KubeFlow and Jupyterhub which are the tools required to run and manage the ML application development and deployment. We will be covering topics which are relevant to both the developers and devops admins.

16:45	Shane Torr	Tech Skills: Who's hiring and how much are they paying	Wondering how much your tech skills are worth? This session will give a brief context to the tech skills market (particularly in Thailand) to help explain what's driving demand and which Open Source skills are being sought. Then the session will then cover in more detail what affects salaries, what level of salaries are being paid for which skills, and how to "get found" if you're looking.
17:15		End of Track	

#### Day 1 / Track Open Source Education and Civic Tech in Room X4B (Floor 10)

14:00	Joompot Sriyapan	การสอน coding เด็ก ด้วย opensource software	ประสบการณ์การสอน coding ผ่าน opensource software โดยใช้ระบบ mentor-based ซึ่งผู้เรียนจะเป็นผู้ค้นคว้าและศึกษาเนื้อหาด้วยตนเอง โดยมี mentor เป็นผู้แนะนำหัวข้อหรือแหล่งเรียนรู้ และช่วยให้ผู้เรียนพัฒนากระบวนการเรียนรู้ด้วยตนเองได้
14:30	Korakot Chaovanich	Google Colaboratory for Open Data	Google Colaboratory (or shortly Colab) is a free cloud platform to run Jupyter Notebooks. It is freely provided for research and educational purpose. A data scientist can create an analysis notebook where anyone on the internet can click and tinker with it. So, it is a very useful tool to promote open data and citizen data science. In this talk I will present the key features of Colab and demo some example notebooks.
15:00	Marco A. Gutiérrez (Spain)	Python Introduction: Master all the Basics	Begin a career as a programmer by attending this comprehensive and straightforward Python introductory session. This session will introduce you with the skills needed for your future employers. A workshop will be offered after this workshop.
15:30		Coffee Break	
16:00	Thanisara GG Ruangdej	ELECT: Civic Tech for Thai Election	In the session, I'd like to like to share ideas and experiences about the project : - how it happened, what we've done, and how to run the project - how to run the project : collaboration between tech people, media, civil society organizations and volunteers - results and challenges - why civic tech and open data matters
16:30	David Doran (Welean.org Founder)	Open Source High	Billions of dollars are spent globally each year in an effort to reform education systems to be prepare our children for the digital age. Yet little progress is made: especially for the billions of children in developing countries unable to afford private schools. Open source education may be the key. The speaker will discuss how all the tools currently exist to create an true open source secondary education system that will not just produce kids fully eligible and capable for university, but with the skills to thrive in the digital age.
17:00	Unnop Sricharoenchai	HomeschoolNetwork.org and OctoberCMS	Talking about my open source project name homeschoolnetwork.org. Also, talking about the web framework behind the project name OctoberCMS. The newbie CMS with Laravel Framework. October CMS voted the Best Flat File CMS in 2018. อธิบายความเป็นมาและความสามารถของ open source project ชื่อ homeschoolnetwork.org ขวามุดคุยถึงเบื้องหลังการทำงานของเว็บด้วย OctoberCMS ซึ่งเป็น CMS นื่องใหม่ ที่เพิ่งได้รับการโหวต Best Flat File CMS ปี 2018
17:30		End of Track	

#### Day 1 / Track Databases and MySQL in Room X11.7 (Floor 11)

14:00	Ryan Kuan	MySQL Overview for Oracle DBAs	MySQL is the most popular open source database used and trusted by millions of users for cloud, internet and mobile applications. More and more enterprises are evaluating open source database technology as alternatives to their existing Oracle database. In this session, we will help existing Oracle DBAs to understand MySQL better as a viable database platform to complement existing Oracle database.
14:30	Ivan Ma	The Secret of MySQL InnoDB Cluster Deployment	Deploying MySQL as Open Source Database with the #1 High Availability focus is critical to many applications today. The session is to go after the latest MySQL InnoDB Cluster solution - To automate the Provision in Cloning; To automate the Failover using MySQL Router; To automate the Data Recovery; To simply the "Cluster" creation using MySQL Shell; Come and Join us the session to explore the details with MySQL InnoDB Cluster
15:30		Coffee Break	
16:00	Ryan Kuan	Unleashing the power of NoSQL using MySQL 8.0	JavaScript Object Notation (JSON) is fast becoming the de-facto data exchange format for both modern web and mobile application development framework. Developers love the flexibility of JSON to allow them to modify data structure anyway they want without bothering their DBA. In this session, come discover the latest NoSQL capabilities in MySQL to store and manage JSON data seamlessly in MySQL as well as to integrate with existing structured data in MySQL.
16:30	Ivan Ma	MySQL Troubleshooting and Performance Analysis	MySQL powers many of the world's largest and fastest-growing organizations. In this session, you will get more practical, safe and efficient ways to know in-and-out of the MySQL database performance; gain tips and tricks. Some OPEN SOURCE tools such as <a href="http://dimitrik.free.fr/">http://dimitrik.free.fr/</a> and Performance Schema will be explored during the session. Join us to find MySQL bottlenecks and learn how to properly configure the database appropriately for your efficient MySQL database.
17:15		End of Track	

#### Day 1 / Track - Break-out/Hands-On (Floor 10) - X02

14:00		Open Space	Get together for a adhoc workshop, developer discussion or breakout session. The space is available for group of participants to discuss specific subjects or aspects of Open Source project, to learn hands-on, or work together on projects.
15:30		Coffee Break	
16:00	Marco A. Gutiérrez (Spain)	Python Introduction: Get Starting (Laptop required)	Begin a career as a programmer by attending this comprehensive and straightforward Python introductory workshop. This session will equip you with the right skills for your future employers. The goal is to develop skills that let you become more employable and valuable in the eyes of future employers. You will learn how to write a Python app. The workshop will start with a presentation in the track and then continue hands-on in a work area in the exhibition.
17:30		End of Track	