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

9:00	Pachara Naripthaphan	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 spefically 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 restructurinig 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?
10:00	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.
10:10	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 elderlies 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	Nep	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 ยังเป็นศูนย์รวมขององค์ความรู้และเป็นพื้นที่แห่งการแลกเปลี่ยนที่จะช่วยส่งเสริมการพัฒนาความรู้และก่อให้เกิดการสร้างธุรกิจที่เข้มแข็ง ผ่านกลไกการแลกเปลี่ยนองค์ความรู้และนวัตกรรมโดยพันธมิตรจากภาคส่วนต่างๆ ประกอบด้วย ภาครัฐ ภาคการศึกษา และภาคอุตสาหกรรม เป็นต้น KX : Knowledge Exchange มีจุดมุ่งหมายหลักคือการกระตุ้นการสร้างสรรค์นวัตกรรม โดยมีบริการที่ครบวงจรทั้งพื้นที่ทำงาน องค์ความรู้ และกิจกรรมงานสัมมนา และการให้คำปรึกษาแนะนำในด้านต่างๆ ซึ่งเป้าหมายในอนาคตจะมีอุปกรณ์เพื่อรองรับความคิดที่จะสร้างสรรค์นวัตกรรมใหม่ๆ เพื่อให้ได้ทดลองและต่อยอดไอเดียอย่างเป็นรูปธรรม เช่น เครื่องพิมพ์ 3D Printing เครื่องพิมพ์ CNC และเครื่องตัดเลเซอร์ เป็นต้น อีกทั้งยังมีทีมผู้เชี่ยวชาญจากมหาวิทยาลัยเทคโนโลยีพระจอมเกล้าธนบุรี คอยให้คำปรึกษาเกี่ยวกับธุรกิจทางด้านอิเล็กทรอนิกส์และนวัตกรรมต่างๆ อย่างเป็นมิตร
11:30	Panelists Mario Behling, CEO OpnTec (MC) Pornthep Chatpinyakoop, Director KMUTT Learning Square Misako Ito, UNESCO Pun-arj Chairatana, Director NIA (tbc)	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)	