

**Open Tech Track Day 1, Oct. 11 - Main Stage**

8:30	Registration. Come on time to claim your seat		
9:00	Bella Phan - Community Advocate, FOSSASIA	Welcome to OpenTechSummit Announce Lucky Draw Winner	
9:15	Eden Dang - Lead Organizer, OpenTechSummit Nam Phuong Nguyen Luong - Community Engagement Officer, Officience	OpenTech Around the World	Story of OpenTech and beyond: Connect progressive community in Vietnam with global FOSS initiatives
9:30	Mario Behling, Co-Founder FOSSASIA	The role of Free and Open Source Software (FOSS) in digital economy	Impacts of FOSS in various sectors: Business, Education, Innovation and Environment and the mission of FOSSASIA in fostering Free & Open Source Ecosystem
10:00	Vu The Binh - CEO, NetNam & Vice President, VFOSSA	Vietnam FOSS Landscape	When Free and Open Source Software movement started in Vietnam and How FOSS has developed in the recent years.
10:30	Coffee Break		
10:50	Tan Dung Phan - Team Lead - NukeViet	NukeViet Content Management System	Introduction to NukeViet and NukeViet 5.x development orientation
11:20	Vuong Huu Nghia - Open Source Advocate	Open Source Software Development Process: Case Studies	Benefits and Challenges of Open Source Development Process based on various case studies
11:50	Sinh Tran-Nguyen - Engineer Director, Inspectorio	How to become a senior developer faster - Self reflection of a GDE	The mindset, the altitude, the skills, the practices, the environment that can help a software developer to become a senior faster
12:20	Felix Becquart - Web Specialist	Lightning Talk: Create your own community to learn faster a new tech language	The benefits of creating a collaborative community of learners.
12:30	Lunch Break		
13:30	Mario Behling - CEO OpnTec Cliff Kussmail - FOSS Consultant Green Mango Associates Sebastian Dziallas - Faculty Computer Engineering Fulbright University	Opportunities with FOSS for Future Development	This panel will discuss opportunities with Free and Open Source Software and Open Technologies to solve the world's problems. The question concerns opportunities in people's lives as well as ways to improve the environment and society with FOSS.
14:00	Benoit Tellier - Chairman, Apache James	Apache James, a cloud-ready email server	Create a new generation email server based on conventional cloud technologies with Apache James leveraging Apache Cassandra, ElasticSearch, Swift and RabbitMQ. Using the newly standardized JMAP protocol (RFC-8620) to deliver a high performance mail service. Benoit will outline the challenges and testing strategies at Linagora
14:30	Tuan Le Cong - Fullstack Engineer, Linagora	Modular architectures in software development	Benefits of modular architectures in software development: easy to start, easy to distributed work, fast development etc. Speaker introduces how OpenPaaS team applies modular architectures to build a collaborative platform with many features as OSS platform.
15:00	Adrien Maret - Core-Product Developer, Kuzzle	Introduction to Kuzzle: An open source IoT Platform	Sensors, networks, client applications how to efficiently federate these heterogeneous components into a complete IoT application under your control with Kuzzle IoT Platform?
15:30	Coffee Break		
15:45	Barend Scholtus - System Manager, RMIT University	Workshop 2-hours: Python for Data Analysis (Hands-on session, bring your own laptop)	How to analyze data using Python. From the basics of Python to exploring many different types of data. You will learn how to prepare data for analysis, perform simple statistical analysis, create meaningful data visualizations, predict future trends from data, and more!
17:45	End of Sessions		
19:00	Social Event: Clean Air - Green Saigon		
	Fun Edutational Activites by Saigon Compass		

**Linux and Platform Day 1, Oct. 11 - Workshop Room 1**

15:00	Nguyen Quoc Bao - Software Engineer, VNG Cloud	Tutorial 2-hours: Ubuntu Installation Party (bring your own laptop)	Please come with your laptop. We will help you to install Ubuntu - one of the most popular open source operating system. You can learn some basic linux commands, try out practical free & open source software. It is possible to have Ubuntu alongside Windows too.
17:00	End of Sessions		

**Open Hardware Track Day 1, Oct. 11 - Workshop Room 2**

14:30	Nguyen Tra My - Maker Academy Coordinator, Kidspire Vietnam	Workshop 2-hours: Build your own robots using Hummingbird kit (Hands-on session, bring your own laptop)	Participants (of any ages) learn how to build their own robot from scratch using the Hummingbird kit. This kit is perfect for those who want to program and personalize their own robots. This is not a kit where you follow directions and create a pre-designed robot. Every robot will be unique. The Hummingbird kit has been used and integrated into our STEMs lessons to enable students to learn science more efficiently.
17:00	End of Sessions		

### AI, Blockchain, Web & Mobile Technologies Day 2, Oct. 12 - Main Stage

9:00	Nguyet Anh, Dieu Tien, Dieu Ai - KidSpire Team	How Technology awake dreams of disadvantaged children?	Registration starts at 8:30. Come on time to claim your seat
9:15	Bella Phan - Community Advocate, FOSSASIA	FOSSASIA International Programs for all	Introduction to FOSSASIA Program for coders and non-coders (CodeHeat.org)
9:30	Bien Nguyen - Team Lead, Dynimlabs	Full-Stack AI: From Concept to Production	A full view of delivering an end-to-end AI system. Different steps of implementing an AI product from defining your problems, cost estimation, team preparation; collecting, cleaning, labelling your data; framework selection and infrastructure computation; deploying the model and other challenges taken from my experience will be included.
10:00	Mario Behling - CoFounder, FOSSASIA	SUSI.AI - Open Source Smart Assistant Framework	This talk is about SUSI.AI - an open source conversational framework developed by FOSSASIA developer community. SUSI is capable of chat and voice interaction and by using APIs to perform actions such as music playback, making to-do lists, setting alarms, streaming podcasts, playing audiobooks, and providing weather, traffic, and other real time information.
10:30	Truong Sinh Tran Nguyen - Engineer Director, Inspectorio	Flutter - NOT yet another mobile cross-platform framework	Having painful experiences with NativeScript and failed PoC React Native (especially on Android), the development and Executive teams are terrified of any further mention of "cross-platform mobile framework". This is how we presented Flutter, how it is technologically and strategically different from what we have used and tried.
11:00	Short break		
11:20	Benoit Tellier - Backend Developer, Linagora	Extend message queue capabilities with Apache Cassandra	This talk covers Apache James - a cloud mail server, Apache Cassandra specificities and idiomatic designs, Mail queue with helpful features allowing an admin to review mail traffic: list mails, delete some of them, "time series", "randomized synchronisation" & algorithms.
11:50	Nguyen Tan Trieu - Founder, BigData Vietnam	Introduction to ArangoDB: Scalable open source NoSQL database	ArangoDB is a NoSQL database system but AQL is similar in many ways to SQL. This is an introduction to key concepts about multi-model database, ArangoDB's Query Language and Database deployment. Practical case study in Customer Analytics and e-commerce.
12:20	Group Photo		
12:30	Lunch Break		
13:30	Tran Diep Bang - Software Engineer, TIKI	Scaling with NodeJS	This talk focuses on scaling a Node based web server and common issues. This will include different approaches to attacking this problem like horizontal and vertical scaling, the variety of resource bottlenecks like network, memory, disk and cpu. Speaker will touch upon how to find these bottlenecks and what technologies can be used to solve them.
14:00	Chau Truong Lam - Blockchain Engineer, Incognito	Enable consensus in decentralized systems	Have you ever wondered what blockchain is made of? Why the word "blockchain" always come with "decentralized", "distributed" and "consensus"? What are the differences? What can decentralized consensus allow us to do?
14:30	Tran The Toan - Android Lead, Inspectorio	Kotlin in Testing Android application	A short introduction on how Kotlin can help increase productivity in writing tests for Android application and some popular tools for tests that are built for Kotlin's support.
15:00	Coffee Break		
15:15	Nguyen Tra My - Maker Academy Coordinator, Kidspire Vietnam	Lightning talk: Girl can code - Boy can knit	Create an effective learning environment for disadvantage children using STEAM and open education as a platform.
15:20	Hong Quan Nguyen - CTO, AgriConnect	Application of open tech in an IoT platform for agriculture	How we apply open tech from various levels (operating system, embedded system, database, programming language, web framework) to build up an IoT platform for mushroom farm, which then expand to hydroponics and smartlet house.
15:50	Tran Thi Hoang Lan - Web Developer, Officecine	Transmit tech passion to business reps	Speaker will share experience of Officecine on a real case in Artificial Intelligence and explain how their developers transmit tech passion to business reps
16:20	Luu Tran Thien An - Business Analyst, Officecine	Lightning talk: Open ERP or Packed Software or Develop it yourself	Discussion around Enterprise Resource Planning, the difficulties and how to choose the best ERP system for current business sizes in Vietnam and Southeast Asia markets.
17:00	Eden Dang, Mario Behling	Closing Session	OpenTechSummit Vietnam 2019 closing is the place where we wrap up what happened at the event and get feedback from participants.

### Cloud, Container, DevOps Track, Day 2, Oct. 12 - Workshop Room 1

10:30	Hong Quan Nguyen and FOSSASIA Team	Workshop 2 hours: Git & GitHub Pages	Hands-on session, bring your own laptop
12:30	Lunch break		

### Science and Tech Track Day 2, Oct. 12 - Workshop Room 2

12:30	Lunch break		
13:30	Chung Wei Tat - Developer, FOSSASIA	Workshop 2 hours: Pocket Science Lab	Electronic Testing and Experiment with Android Phone (bring your phone to try out)