

## Tuesday 16

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19h30 19h35	<b>Introducing the LSE Week</b>	
19h35 20h05	<b>Non Interference Property</b> A useful property for formal verification	<b>Marwan Burelle</b>
20h10 20h55	<b>Reliable Services on Top of Untrustworthy Large Scale Decentralized Networks</b>	<b>Julien Quintard</b> Professional Guest
21h00 21h30	<b>mikro - Introducing a C++ Micro Kernel</b> Issues and choices to develop a C++ micro kernel from scratch	<b>Victor Apercé</b> <b>Julien Freche</b>
21h35 22h05	<b>mikro - About Paging</b> About everything you should know about paging on x86	<b>Victor Apercé</b>
22h10 22h30	<b>mikro - Efficient Inter Process Communications</b> How to have efficient IPC in a micro kernel?	<b>Victor Apercé</b> <b>Julien Freche</b>
22h35 22h55	<b>mikro - Multiprocessor Init in Kernel</b> Multiprocessor initialization on x86	<b>Julien Freche</b>

## Wednesday 17

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19h30 20h00	<b>HOWTO: Boot an OS</b> From BIOS to kernel	<b>Camille Lecuyer</b> Student Guest
20h05 20h25	<b>Machine Learning Applied to Process Scheduling</b> Using machine learning to improve scheduling	<b>Benoît Zanotti</b>
20h30 21h00	<b>Networking in STOS</b> IP stack for the Intel e1000 in STOS	<b>Ivan Delalande</b>
21h05 21h25	<b>v8086, Execute 16bit Code in Protected Mode</b> Advantages and disadvantages of the v8086 mode	<b>Corentin Derbois</b>
21h30 22h15	<b>Hardware/Software Solutions to x86 Virtualization</b> Hardware virtualization and host communication mechanisms	<b>Marc Angel</b> <b>Corentin Derbois</b>
22h20 22h50	<b>KVM without Qemu</b> Replacing qemu by our own code	<b>Gabriel Laskar</b>

## Thursday 18

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13h30 14h15	<b>HOWTO: Basic Vulnerabilities and their Exploitation</b> Buffer overflow, format string, use after free...	<b>Samuel Angebault</b>
14h25 15h10	<b>Order Is a Lie</b> From memory barrier to non-blocking algorithm (lock-free/wait-free)	<b>Marwan Burelle</b>
15h20 16h05	<b>Helping Reverse Engineering with LLVM</b> LLVM intermediate language as target of a decompilation tool	<b>Lionel Auroux</b>
16h15 16h45	<b>The Hell of x86 Kernel Debugging</b> Some peculiarities of the x86 architecture and its RING0	<b>Clément Rouault</b>
16h55 17h25	<b>Advanced Python Features Gone Bad</b> Python code obfuscation and main interpreter surgery	<b>Franck Michea</b> <b>Clément Rouault</b>
17h35 18h20	<b>A Look into the Windows Kernel</b> Security evolution between Windows XP and Windows 8 kernels	<b>Bruno Pujos</b>
18h30 19h15	<b>Concolic Execution</b> Use both symbolic and concrete execution to solve a constraint path	<b>Jonathan Salwan</b> Professional Guest
19h30	<b>Barbecue</b>	