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## Future Computing Technology <sup>[1]</sup>

### **Date:**

Wednesday, 28 October, 2015 - 11:00 to Friday, 30 October, 2015 - 12:00

### **Location:**

[CERN \( 222-R-001 - Filtration Plant \)](#) <sup>[2]</sup>

Computing of the future will be affected by a number of fundamental technologies in development today, many of which are already on the way to becoming commercialized. In this series of lectures, we will discuss hardware and software development that will become mainstream in the timeframe of a few years and how they will shape or change the computing landscape - commercial and personal alike. Topics range from processor and memory aspects, programming models and the limits of artificial intelligence, up to end-user interaction with wearables or e-textiles. We discuss the impact of these technologies on the art of programming, the data centres of the future and daily life.

On the first day of the Future Computing Technology series, we will focus on Moore's Law and its widely propagating effects on all aspects of modern computing. This includes processor and memory technologies, as well as supercomputer and datacenter architecture. We will also discuss young technologies such as Silicon Photonics, graphene and biomolecular (DNA) computing.

### **Indico or other event webpage:**

[For more information](#) <sup>[3]</sup>

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**Links**

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[2] <https://maps.cern.ch/mapsearch/mapsearch.htm?n=%5B%27222/R-001%27%5D>

[3] <http://indico.cern.ch/event/404677/>