

Science Park Amsterdam

Visit AMS delegation Thursday 25 April 2013

PROGRAMME

[Route description](#) to Science Park Amsterdam.

2:50-3:00 PM Bus tour to Science Park Amsterdam

Short bus tour around Science Park Amsterdam and introduction by Mr. Jan Straub, Project Manager Science Park Amsterdam

Science Park Amsterdam

Science Park Amsterdam has the largest concentration in exact sciences in the Netherlands and one of the largest in Europe. It is a hub for research, innovation and entrepreneurship because of its world class research institutes and universities, and some 120 companies (from start-ups to multinationals). The park offers excellent opportunities for businesses in the fields of ICT, Life Sciences, advanced instrumentation and sustainability.

Science Park Amsterdam is a joint development by the University of Amsterdam, the City of Amsterdam and the Netherlands Organisation for Scientific Research (NWO).

Read more [here](#).

3:00-3:15 PM Visit to AMOLF, Prof.dr. Marileen Dogterom

Science Park 104
1098 XG Amsterdam

The national FOM Institute **AMOLF** is one of the research laboratories of the Foundation for Fundamental Research on Matter ([FOM](#)), part of the Netherlands Organisation for Scientific Research ([NWO](#)). The National NWO Institutes Nikhef and CWI are also established at Science Park Amsterdam.

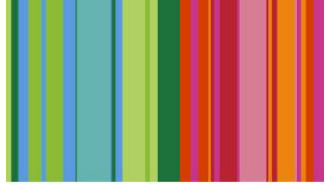
AMOLF's research programme focuses on:

Nanophotonics, focusing on the achievement of spatio-temporal control of light at the smallest possible scale. The nanophotonics research program inspires many possible applications in solid-state lighting, functional materials and devices, and advanced materials fabrication and characterization. [read more >>](#)

Physics of Biomolecular Systems, carried out within two programs: **Molecular Biophysics** and **Systems Biophysics**. This work contributes to a fundamental understanding of the operational principles of living systems, with important applications in health and food, and inspires the design of novel functional materials and devices. [read more >>](#)

In addition, AMOLF has started a new program on **Photovoltaics**. The goal of this program is to generate novel breakthrough energy conversion concepts that can be readily applied at a large scale. [read more >>](#)

3:15-3:25 PM Short walk from AMOLF to the National Super Computer and SURFsara



3:25 – 3:45 PM Visit to the national super computer / Mr. Maurice Bouwhuis, Manager Relations and Innovation SURFsara

SURFsara is home of the national super computer. The new super computer Cartesius will be operational in the first half of 2013, and replaces the current Huygens computer. In 2013 Cartesius can handle 250 teraflop/s and more depending on demand, is 4 times faster than Huygens, and significantly more sustainable because of a state-of-the-art cooling system.

**3:25 – 3:45 PM SURFsara / visit to the Collaboratorium, a visualization and presentation facility
Dr.ir. Anwar Osseyran, Director SURFsara**

SURFsara provides an integrated ICT research infrastructure for science and the knowledge economy in the areas of computing, data storage, visualization, networking, cloud and e-Science.

The 'Collaboratorium', developed by SURFsara en the Netherlands eScience Center, is a brand-new visualization and presentation space for science and the industry. Researchers are faced with exponential growth and complexity of data from observations, experiments and simulations. Datasets of tens, even hundreds of terabytes are no exception. The obtained data is increasingly important for a large range of disciplines. The Collaboratorium offers an excellent opportunity for joint ventures and technology transfer between science, government and business. Read [more>>](#)

3:45 PM end of programme Science Park Amsterdam and departure for NEMO by bus