



## Unique and international

### Interactive and problem based learning

It is not just listening to some lectures. These are limited to a minimum, with some of the teaching even via a MOOC prior to the school. It is about **interactive and problem based learning**. You will be engaged in a “game”, an **analytical challenge**, where you will be part of a team carrying out a real analysis for a customer who wants to know **whether their product is compliant**. A laboratory is set up for this at the venue. You will even be taught how to be an accreditation assessor, then act as an assessor in a visit to an accredited laboratory. Participants often tell us they learnt a lot, but it felt like playing.

Participation is truly **global**. In 2017, we had 34 participants, from 16 countries and 4 different continents.



## Quality Assurance in Analysis

Is your doctoral research relying on chemical or bio-analytical data which you produce? **Good science requires quality assured data**. This school teaches you the basics of the **international standard ISO/IEC 17025**, as well as the **role of metrology and accreditation**. By the way, today's commercial laboratories virtually all operate a quality management system based on this standard. So, if you apply for a job in such a laboratory, this school will give you a competitive advantage. On successful completion of the school, you will be awarded a certificate equivalent to 6 ECTS.



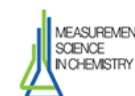
A unique international summer school on how to assure the quality of your analytical data



On analytical science, metrology and laboratory accreditation



11th Edition  
8-21 July 2018, Tallinn  
(Estonia)





## Practical

### Where, who and when?

The school will take place in **Tallinn**. School is open to all young professionals involved in analysis. Date: 8-21 July 2018

### Cost?

For this two week school, **the all-inclusive registration fee** is 2500€, including tuition fee, training material (with participation to the MOOC), use of laboratory instruments and reagents, a special lab coat and T-shirt, all social activities (welcome reception, closing dinner, excursions), all meals and accommodation. A limited number of grants is available. Your travel to Tallinn is not included. Participants regularly apply for a grant from a funding body.

### Interested?

Send a motivation letter and a CV to [msscsummerschool@gmail.com](mailto:msscsummerschool@gmail.com). We are forced to limit the number of students to 40 places (because of laboratory activities). So, be fast!

## What's in it for Doctoral Students ?

### New and honed skills

Participants are taught core analytical knowledge and skills directly related to quality of analytical data as addressed in the **ISO/IEC 17025 standard** (e.g. traceability, validation, uncertainty, decision rules and compliance testing, use of Proficiency Tests, Reference Materials and Internal Quality Control).

Apart from this, because of the way the school is designed, participants are intensively trained in **transferable as well as entrepreneurial skills**, such as those needed for planning, time management, (intercultural) communication, team play and leadership. Many participants have explained that in their recruitment interviews their experience in this summer school made them stand out and was a main reason for obtaining the job. Have a look at testimonials from previous participants (<http://www.msc-euromaster.eu>).



*"in my job interview, we spoke mostly about the summer school"*

Sander Sannik, Summer School 2013, now Lab Manager at Eurofins Group Tallinn, Estonia

### Certificate 6 ECTS

Many doctoral students are expected to participate to conferences, courses and schools in the framework of a doctoral school. On successful completion, you will get a certificate equivalent to 6ECTS

### A long tradition of quality teaching

The school was initiated by the European Commission Joint Research Centre, in view of the importance of quality assured data in the context of globalisation, international trade and many other policy areas. In 2018 it will be the **11<sup>th</sup> edition**. Teachers have extensive experience either lecturing in analytical science, working in an accredited laboratory or acting as an accreditation assessor.

### And ... it's also great fun!

The organisers always make sure that apart from high quality teaching, there is also a **great social programme**. Tallinn is a beautiful city on the Baltic coast. We will also take you around some parts of Estonia itself, so you will be able to enjoy its nature.

