



### Tartu – City of good thoughts!

The time-honoured university, with many good museums and Hanseatic city of Tartu lies on the banks of the River Emajõgi. The capital of southern Estonia is the second largest city in the country and the oldest in the Baltic States. Tartu is a modern city with a rich historical heritage and culture. We invite You to spend beautiful spring days full of inspiring scientific discussions in Tartu!

Please refer to the workshop website for information regarding hotels close to the Dorpat Conference Centre  
<https://www.dorpat.ee/et/dorpat-konverentsikeskus/>

### Exhibition

Products and services related to the workshop topics can be presented in the exhibition area. Requests should be sent to [riin.rebane@ut.ee](mailto:riin.rebane@ut.ee) by 1st March 2019.

### Invited contributions

We invite participants to present abstracts for posters on subjects related to the theme of this workshop. For best abstracts, presentations will be offered also.

- Abstracts presented according to the format available from the website should be submitted before **15th February 2019**.
- **Early career scientists** submitting a poster abstract will be given the opportunity to have their abstract considered for an **oral presentation**.
- Proposed abstracts will be subject to approval by the Scientific Committee. Participants will be notified of acceptance by **15th March 2019**.

Registration rates:

	<b>Early</b> until 31.03. 2019	<b>Standard</b> 1.04.– 4.05. 2019	<b>Late</b> 5.05.2019 onwards
<b>Delegate*</b>	250 €	300 €	350 €
<b>Student*</b>	100 €	120 €	150 €
<b>Accompanying person **</b>	100 €	100 €	100 €

\* Price includes coffee breaks, lunches and attendance at the conference dinner.

\*\* Price includes conference dinner

### Registration

[eurachem2019.akki.ut.ee](http://eurachem2019.akki.ut.ee)

*You are advised to register early, as places are limited!*



A focus for analytical chemistry in Europe

### Scientific Workshop

in connection with Eurachem General Assembly  
2019

**Validation of targeted and non-targeted methods of analysis**

**20th and 21st of May 2019**  
**TARTU, ESTONIA**  
**Dorpat Conference Centre**

*Second circular*

**Organized by:**



**UNIVERSITY OF TARTU**

**Supporting organisations:**





Eurachem is a network of organisations in Europe having the objective of establishing a system for the international traceability of chemical measurements and the promotion of good quality practices.

## Workshop program:

This workshop will be directly relevant to everyone involved in analytical measurements in laboratories such as industry, pharmaceutical, medical, environmental, food, and academic.

The main topic is **validation of analytical methods** – both **non-targeted**, where the question is more general such as determination of any organic contaminant in a sample and **targeted**, where the issue is clearly defined as such as determination of a specific analyte in sample.

In addition to the presentations, participants will be given ample opportunity to discuss these subjects in detail and exchange experiences in a number of working group sessions.

### **Rapid Communications in Mass Spectrometry**

will publish a special edition covering the highlights of the Eurachem 2019 workshop. Full papers, reviews as well as posters together with one page summary are invited. Submission deadline 30th June 2019.

## DAY 1

**Monday 20th May 2019**

### World Metrology Day!

8:00	Registration and coffee
9:00 - 9:10	Welcome words
Session 1	
9:10 -12:00	<ul style="list-style-type: none"> <li>Validation of targeted methods: where we are?</li> <li>Intro to non-targeted analysis and time trends as a prioritization strategy in non-target analysis</li> </ul> Coffee break <ul style="list-style-type: none"> <li>Detection of a multitude of (unknown) components in complex samples, criteria for identification</li> <li>Traceability and uncertainty of qualitative target and non-target analysis</li> </ul> Flash presentations of the posters
12:00 -13:00	Lunch and exhibition
Session 2	
13:00 - 14:00	<ul style="list-style-type: none"> <li>Validation of non-targeted methods in the food area.</li> <li>Creating reliable data. A challenge for validation of non-targeted methods.</li> </ul>
Working group sessions	
13:30 -16:00	<ul style="list-style-type: none"> <li>Traceability and uncertainty for quantitative targeted and non-targeted analysis.</li> <li>Validation of a non-target method: a practical approach.</li> <li>Estimation and use of LoD and LoQ in targeted and non-targeted analysis.</li> </ul>
15:30-17:30	Poster session, working group feedback.
19:00	Workshop dinner in AHHA science centre

**For more details go to:**  
[eurachem2019.akki.ut.ee](http://eurachem2019.akki.ut.ee)

## DAY 2

**Tuesday 21st May 2019**

Session 3	
8:30 -10:20	<i>Young scientist presentation</i> <ul style="list-style-type: none"> <li>Quality control in LC-MS based metabolomics.</li> <li>Increasing coverage and throughput in metabolomics by chromatography.</li> <li>Dealing with the huge amounts of data from Non-targeted Methods</li> </ul>
10:20 -11:00	Coffee and poster session
Working group sessions	
11:00 – 12:30	<ul style="list-style-type: none"> <li>Technical solutions for validation automation/planning.</li> <li>Tools for analytical quality control for non-targeted methods.</li> <li>Validation training: where are we now.</li> </ul>
12:30 -13:30	Lunch and exhibition
Session 4	
13:30 -16:00	<i>Working group sessions feedback</i> <ul style="list-style-type: none"> <li>Reliable basis for disclosing Food Fraud.</li> <li>Towards quantitative non-targeted analysis: the current status</li> </ul>
16:00	Closing + Farewell cake and coffee

### **We are proud to present the following contributors to our program:**

Martin Alewijn, Georg Arju, Jon Benskin, Bertrand Colson, Hanno Evard, Koit Herodes, Juliane Hollender, Anneli Kruve, Gunda Köllensperger, Ivo Leito, Bertil Magnusson, Lorens Sibbensen, Ricardo Bettencourt da Silva, Gerogios Theodoridis, David Tompson, Steffen Uhlig