



1989-2019

**Eurachem**

A focus for analytical chemistry in Europe



60 years of PUC

Pancyprian Union of Chemists  
Division of Quality Assurance  
Eurachem Cyprus Committee

**Laboratory Accreditation****A TWO-DAY TRAINING COURSE****ACCREDITATION OF ANALYTICAL, MICROBIOLOGICAL AND MEDICAL LABORATORIES - ISO/IEC 17025:2017 AND ISO 15189:2012**

20 - 21 February 2020

*Cleopatra Hotel, Nicosia, Cyprus  
Conference Room "Macedonia"*

*Dedicated to the memory of Mary Eleftheriadou***Day 1 – Thursday 20 February 2020**

08.30 - 09.00	<b>Registration</b>
09.00 - 09.20	<b>Welcome addresses by</b> <ul style="list-style-type: none"> <li>- <i>Leontios Philotheou (Chair PUC)</i></li> <li>- <i>Vicki Barwick (Vice-Chair Eurachem, Chair Education and Training Working Group)</i></li> <li>- <i>Panos Papageorgis (Dean, European University)</i></li> </ul>
09.20 - 09.40	<b>Presentation of the tutors and the participants</b>
09.40 - 10.10	<b>Introduction – Scope and expectations of the training</b> <i>(Despina Charalambous, Frederick University, CYS-CYSAB external Lead Assessor for Medical Laboratories)</i>
10.10 - 10.50	<b>Essential statistics for quality assurance - Part I</b> <i>(Vicki Barwick, Head of Commercial Training, LGC – Eurachem Vice-Chair, Chair of the Eurachem Education and Training Working Group)</i>
10.50 - 11.20	<b>Coffee break</b>
11.20 - 12.00	<b>Measurement uncertainty: 'Bottom-up' vs 'top-down' evaluation</b> <i>(Stephen Ellison, Chair of the Eurachem Measurement Uncertainty and Traceability Working Group)</i>
12.00 - 12.40	<b>Measurement uncertainty</b> <b>Laboratories present their experience, problems and solutions</b>

	<ul style="list-style-type: none"> <li>- analytical laboratory</li> <li>- microbiological laboratory</li> <li>- medical laboratory</li> <li>- other</li> </ul>
12.40 - 13.20	<b>What we might expect in uncertainty treatment for qualitative results</b> <i>(Stephen Ellison, Chair of the Eurachem Measurement Uncertainty and Traceability Working Group)</i>
13.20 - 14.20	<b>Lunch break</b>
14.20 - 15.00	<b>Method validation in medical laboratories</b> <i>(Irina Leimoni, Quality Assurance Officer &amp; Data Protection in AFFIDEA, ESYD Lead Assessor for Clinical and Testing Laboratories and PT Providers)</i>
15.00 - 15.40	<b>Method validation in analytical laboratories</b> <i>(Lorens Sibbesen, Chair of the Eurachem Method Validation Working Group)</i>
15.40 - 16.00	<b>Coffee break</b>
16.00 - 16.40	<b>Implementation of ISO 13843:2017 Water quality – Requirements for the establishing performance characteristics of quantitative microbiological methods</b> <i>(George Papageorgiou, General State Laboratory, CYS-CYSAB Technical Expert for Microbiological Laboratories)</i>
16.40 - 17.20	<b>Method Validation</b> <b>Laboratories present their experience, problems and solutions</b> <ul style="list-style-type: none"> <li>- analytical laboratory</li> <li>- microbiological laboratory</li> <li>- medical laboratory</li> <li>- other</li> </ul>
17.20 - 17.30	<b>Discussion</b>
17.30	<b>End of Day 1</b>
20.00	<b>Dinner</b>

## Day 2 – Friday 21 February 2020

09.00 - 09.40	<b>Essential statistics for quality assurance – Part II</b> <i>(Vicki Barwick, Head of Commercial Training, LGC – Eurachem Vice-Chair, Chair of the Eurachem Education and Training Working Group)</i>
09.40 - 10.30	<b>Perceptions of traceability; a challenging survey</b> <i>(Stephen Ellison, Chair of the Eurachem Measurement Uncertainty and Traceability Working Group)</i>
10.30 - 11.00	<b>Coffee break</b>

11.00 - 11.30	<b>Risk assessment in analytical laboratories</b> <i>(Lorens Sibbesen, Chair of the Eurachem Method Validation Working Group)</i>
11.30 - 12.00	<b>Risk assessment in medical laboratories</b> <i>(Irina Leimoni, Quality Assurance Officer &amp; Data Protection in AFFIDEA, ESYD Lead Assessor for Clinical and Testing Laboratories and PT Providers)</i>
12.00 - 12.40	<b>Difficulties faced in the accreditation of laboratories against ISO/IEC 17025:2017</b> <i>(Rodothea Koniotou, CYS-CYSAB Lead Assessor for Testing and Medical Laboratories)</i>
12.40 - 13.10	<b>Transition to the new standard ISO/IEC 17025:2017</b> <b>Laboratories present their experience</b>
13.10 - 14.10	<b>Lunch break</b>
14.10 - 14.50	<b>Terminology in analytical measurement</b> <i>(Vicki Barwick, Head of Commercial Training, LGC – Eurachem Vice-Chair, Chair of the Eurachem Education and Training Working Group)</i>
14.50 - 15.30	<b>Evaluating measurement uncertainty in software: Using Excel and R for measurement uncertainty</b> <i>(Stephen Ellison, Chair of the Eurachem Measurement Uncertainty and Traceability Working Group)</i>
15.30 - 16.00	<b>Coffee break</b>
16.00 - 16.40	<b>The use of Decision Rules</b> <i>(Lorens Sibbesen, Chair of the Eurachem Method Validation Working Group)</i>
16.40 - 17.20	<b>What do laboratories need to know about ISO/IEC 17011:2017? Eurachem Guides for analytical and microbiological laboratories under revision</b> <i>(Kyriacos Tsimillis, Division of Quality Assurance, PUC)</i>
17.20 - 17.30	<b>Concluding remarks - Certificates</b>
17.30	<b>End of the training course</b>