



International Union of Pure and Applied Chemistry
Analytical Chemistry Division

Division V Committee Meeting

**Palais des congrès de Paris,
2 Place de la Porte Maillot, 75017 Paris, France
Meeting room 231/232M**

Saturday, 6 July, 2019, 9:00 to 17.30

Sunday, 7 July, 2019, 8:00 to 16:30

Minutes

Present

| | | |
|---------------------------------|---------------------|-------------|
| Zoltan Mester, Canada | TM – President | 06,07-July |
| Érico M. M. Flores, Brazil | TM - Vice President | 06,07-July |
| Jan Labuda, Slovakia | TM - Past President | 06,07-July |
| Takae Takeuchi, Japan | TM – Secretary | 06,07-July |
| Attilia Felinger, Hungary | TM | 06,07-July |
| Derek Craston, UK | TM | 06,07-July |
| David G. Shaw, USA | TM | 06,07-July |
| M. Clara F. Magalhães, Portugal | AM | 06,07-July |
| M. Filomena Camões, Portugal | AM | 06,07-July |
| Jiri Barek, Czech Republic | AM | 06,07-July |
| Ilya Kuselman, Israel | AM | 06,07-July |
| D. Brynn Hibbert, Australia | NR | 06-July |
| Earle Waghorne, Ireland | NR | 06,07-July |
| Susanne Wiedmer, Finland | NR | 06,07-July |
| Robert I. Wielgosz, France | Guest Speaker | 06-July |
| Katrice Lippa | Guest Speaker | 06-July |
| Kone Abdoulaye, Senegal | YO | 06-July |
| M. Resat Apak, Turkey | | 06, 07-July |
| Sautiango Aupodia V., Ecuador | YO | 06-July |
| Rob Evans, UK | YO | 06-July |
| Nunzianda Frascione, UK | YO | 06-July |
| Eliza Jara, Ecuador | YO | 06-July |
| Saravanan Nagalingam, Malaysia | YO | 07-July |
| Gunuar Nordin, Sweden | YO | 07-July |
| Malarvilli Ramalingam, Malaysia | | 06, 07-July |
| Weera Suanthaison | YO | 06-July |
| Zunati Zakuna, Malaysia | YO | 07-July |

Apologies

Medhat A. Al-Ghobashy, Egypt (TM)

Sandra Rondinini, Italy (TM)

Tatiana Maryutina, Russia (AM)

Petra Krystek, Netherlands (AM)

Hongmei Li, China (NR)
Mustfa Culha, Turkey (NR)
Wandee Luesaiwong, Thailand (NR)
Boguslaw Buszewski, Poland (NR)
Mariela Piston, Uruguay (NR)
Frank Vanhaecke, Belgium (NR)
Serigne Amadou Ndiaye, Senegal (NR)

Saturday, 6 July, 2019, 09:00 to 17.30

24 Participants including Div. V members (14), Young Observers (8), and invited guest speakers (2).

1. The President, Dr. Zoltan Mester, opened the meeting, and welcomed all the DIV V members, other division committee members and young observers
2. Short self-introduction by all participants of the meeting
3. Guest lecture: "The Metre Convention, BIPM and the New SI"
Invited Speaker: Dr. Robert I. Wielgosz (Director of Chemistry, BIPM)

Coffee Break, 10 min

4. Guest lecture: "On purity and traceability of primary standards in analytical chemistry"
Invited Speaker: Dr Katrice Lippa (NIST)
ZM explained the purpose of the next lecture, and introduced the invited speaker
(35 min, Lecture with Q & A, discussion) Standards-good enough?
5. **Reports of Division V Committee Meeting in Nara, April 25-25 2018 - Takae Takeuchi**
Confirmed progress of content in SIDEBARs of the Minutes from Nara
SIDEBAR1: A mechanism is needed to engage YOs in a lasting way. The need for this is clear but the best mechanism is not. As a solution, we will create an award (divisional awards) for YOs.
SIDEBAR2: Consider creating a list of national analytical chemistry meetings and exhibitions. No action

SIDEBAR3 Need to contact Fabienne about how to officially close projects.
Done: Projects leading to publication cannot be closed until the publication has been published and the citation is sent to Fabienne.
SIDEBAR4: For items e-g more active representation is needed from IUPAC and remote attendance (eg, Webex) should be explored. Division V will make use of virtual meetings when suitable.

Lunch

6. **Reports from Subcommittees to the Division**
 - a) **Subcommittee on Solubility and Equilibrium Data (SSED):** – *Clara. Magalhaes*
Continuing to next biennium(ZM, please confirm). C. Magalhaes to update project status on IUPAC website.

Short self-introduction by additional young observers

6. **cont. Reports from Subcommittees to the Division**
 - b) **Subcommittee on pH (SpH):** – *Filomena Camoes*
Develop TOR including selection of chair (to be approved by the division President), number of terms for chairs?
Are there some rules for electing member of subcommittee?
Continuing to next biennium (ZM, please confirm). F. Camoes to update project status on IUPAC website.

- c) **Harmonization**→**Subcommittee on Metrology in Chemistry**: – *Ilya Kuselman*
It was decided to rename the subcommittee " Subcommittee on Metrology in Chemistry" and to revise the Terms of Reference (TOR). TT will upload the revised file on the ACD wiki.
Develop TOR including selection of chair (to be approved by the division President), number of terms for chairs?

"Working_party_on_harmonization-TOR_draft_27.06.19-Revised.doc" is updated.

Professor Richard M. Hartshorn, Secretary General visited the ACD meeting room, and he explained the morning's briefing. Q&A: Website update, other divisions, projects, subcommittee, financial, PhD, membership, project money (about 30 min)

Coffee Break

7. **Reports from Task Groups Preparing the Fourth Edition of the Orange Book** –*Brynn Hibbert*
Orange book (OB) update July 2019 (See ACD Wiki Paris2019 folder)
BH submitted full manuscript of the OB to RCS.
Green book (Symbols), White book (Inorganic Chemistry)

8. **Reports of Gold Book** - *Brynn Hibbert*

Sunday, 7 July, 2019, 08:00 to 16.30

18 Participants including Div. V members (13), Young Observers (5)

9. **Interdivisional subcommittee on critical evaluation of data (ISCED) 2019** – *David Shaw*
Activities of the interdivisional subcommittee on critical evaluation of data (ISCED) 2019 was reported.
Just link here the report by David

10. Short reports from liaisons throughout the biennium

- i) Committee on Chemical Education (CCE) – *M. Filomena Camões reported. – M. Filomena Camões and Susanne Wiedmer - Continuing to next biennium. M.F. Camoes to update project record on IUPAC website*
- ii) Committee on Publications and Cheminformatics Data Standards (CPCDS) - *David reported Off-year meeting. Continuing to the next biennium*
- iii) Pure and Applied Chemistry Editorial Advisory Board (PAC-EAB) - *Zoltán Mester reported.*
- iv) International Committee on Weights and Measures/Consultative Committee on the Amount of Substance (CIPM/CCQM) – *Hongmei Li not in attendance. Reported shortly by Z. Mester*
- v) ISO-Committee on Reference Materials (ISO/REMCO) – *Ilya Kuselman reported. It was decided to rename "Harmonization" to the "Subcommittee on Metrology in Chemistry" and to revise the terms of reference.*
- vi) Joint Committee for Guides in Metrology (JCGM) – (Steven Ellison (UK))
 - vi-1) Joint Committee for Guides in Metrology Working Group1 (JCGM WG1) – (Steven Ellison (UK), Juris Meija (Canada))
Derek reported. Theoretical Statistical models for guideline, multiple approaches, discussion now started. Continuing to the next biennium.
 - vi-2) Joint Committee for Guides in Metrology Working Group 2 (JCGM WG2) - *ZM reported. Continuing to the next biennium.*

Professor Gunnar Nordin (Sweden) presented the lecture "Nomenclature of properties and unit". Working group, evaluation, reliability, concepts of 16 nominal properties, 2019, committee's draft (officially reports), give us comments to improved.

9:20-10:10 Interdivisional meetings (50 min)

Divisions V and VI in the room Division VI Room 233
Microplastics
See 13.1 and 13.2 below

Short Break

Back to Meeting Room 231/232M

10. cont.-Short reports from liaisons throughout the biennium

- vii) Interdivisional Committee on Terminology, Nomenclature and Symbols (ICTNS)
Clara Magalhaes reported
Clara to update project statuses on IUPAC website. Continuing through next biennium. (ZM, please confirm)
- viii) Committee on Chemical Industry (COCI) - *Jan Labuda, reported*
- ix) EuChemS (European Chemical Society)
Jiri Barek (member of the Steering Committee of DAC) reported. (and Jan Labuda)
Some Data. Master's degrees, Life science, Analytical Chemistry, Biochemistry
China, Africa, South America, Industry behind universities, Engineering
- x) CITAC – *Ilya Kuselman reported with power point.*
- xi) CODATA – *Clara Magalhães SSED partner*
- xii) EURACHEM - *Filomena Camões*

ACD Group Photo

Lunch

11. Review of Division operations ?Zoltan Mester, Erico Flores

a) Division funds - Erico Flores

Reported the status of project budgets, allocation & operation by E. Flores from his project summary.

As for ACD decision and details, see in Erico's Excel Data

ALL PROJECT CHAIRS please report updated progress to E. Flores by email directly.

List of the projects and the decisions

2002-044-1-500 Scharlin, Close
2008-025-1-500 Filella, Ext. Dec. 2019
2009-006-1-500 Ellison,
2010-030-1-500 Chai, Closed
2010-052-1-500 Pingarron, Closed
2011-047-1-500 Labuda, Close and return the money
2012-008-1-500 Hefter, Will be closed and chair will submit a new project
2013-013-1-500 Camoes, Ext. Dec. 2019
2013-015-1-500 Apak, OK. No extension
2013-025-2-500 Westwood, OK. No extension
2013-034-1-500 Gaune-Escard, Ext. Dec. 2020
2014-025-1-500 Hibbert, Ext. Dec. 2019
2015-008-2-500 Apak, Ext. Dec. 2020
2015-020-2-500 Leito, Extend Dec. 2021
2015-021-1-500 Hibbert, Extend Dec. 2020
2015-024-2-500 Hibbert, Extend July. 2021
2015-028-2-500 Camoes, OK. No extension
2015-044-2-500 Bendova, Ext. Dec. 2023
2015-051-1-500 Voigt, Close
2016-003-1-500 Atanassova, Ext. Dec.. 2021

2016-005-1-500 Nordstrom, Ext. Dec.. 2021
2017-005-3-500 Labuda, Extend June 2021
2017-022-1-500 Oracz, Extended DEC+D16 2022, SSED
2017-025-1-500 Eysseltova, Extend Dec. 2022
2017-027-1-500 Craston, Extend Dec. 2020
2018-004-1-500 Kuselman, OK, No extension
2018-009-2-500 Shaw, Extend to Dec 2023 ISCED
2018-010-2-500 Flores, OK No extension
2018-25-1-500 Filella, OK no extension

b) Strategic planning - David Shaw and Zoltan Meter

Mission goals and objective

See the following web page of ACD wiki

<http://divv.pbworks.com/w/page/125996363/Mission%20Goals%20and%20Objectives>

Division V Mission

Division V provides objective scientific expertise and develops essential tools of analytical chemistry that enable IUPAC to accomplish its mission in sustainable development, creating and promoting a common language and evaluated data provision and advocating free scientific exchange. As appropriate Division V works in collaboration with other bodies.

Division V: Goals and Objectives

Goals:

1. Provide the highest level of unbiased analytical chemical science expertise in achieving its mission
2. Promote and foster the growth of analytical chemistry as a scientific discipline
3. Ensure the vitality of the Division
4. Foster multidisciplinary Collaboration

Objectives:

1. Provide the highest expertise in line with IUPAC's mission through:
 - i. Publishing technical reports
 - ii. Publishing recommendations on terminology
 - iii. Evaluating of chemical data
 - iv. Making its products available in modern digital forms
 - v. Contributing to international standard development
 - vi. Providing scientific expertise and advice to relevant international organisations
2. Fostering and promoting analytical chemistry as a discipline through:
 - i. Reinforcing divisional relationships with other IUPAC bodies
 - ii. Organizing / sponsoring international scientific events
 - iii. Contribute to issues related to analytical chemistry education
 - iv. Awarding outstanding contributions towards IUPAC Analytical Chemistry Division's vision
3. Ensuring the vitality of the division through:
 - i. Evaluating Divisional outputs and setting associated targets
 - ii. Engaging with stakeholder communities that can benefit from, and contribute to, the work of the division
 - a. Establishing a sub-committee for early stage researchers / practitioners
 - b. Establishing a sub-committee for analytical chemical related industries (e.g. laboratories, instrument manufacturers and component providers)
 - iii. Leveraging external resources to enhance divisional activities

c) **Industry, smaller subgroups –**

Develop a project proposal on establishing an analytical industry sub group leader Derek Craston, members ZM, David, Jan Labuda, and Ilya Setup a project and draft the promo material / value proposition to industry by September 1, 2019

12. Proposal of divisional awards was explained by Erico Flores..

Interruption: Dr. Soon Ting Kueh, President of Institute Kimia Malesia, presented a bid material for the IUPAC General Assembly and World Chemistry Congress in 2025.

12. cont. Proposal of divisional awards (Continued) – by Erico Flores.

Concepts:

Young researchers and young innovators within 5 or 10 years of completing a Ph.D.

Presented every two years; When is the deadline of nomination? Summer 2020?

Award's name: "Analytical Chemistry Medal", "Analytical Chemistry Prize".

IUPAC Analytical Chemistry Award for Young Innovator

Other IUPAC awards – IUPAC web site page of Awards

Sponsorship by industrial companies

Example in Turkey – for Women's doctoral students

Other examples

PR of Division V activity, Projects

Award project members: Attila Felinger, Erico Flores, Ilya Kuselman, ZM

Draft, half page of project proposal-Deadline: setup a project by September 1st, 2019 and complete the TOR by then.

Coffee Break

13. Budget issues

Develop:

Anal Chem Education Project

Lead: ZM

Who is interested in participating? Derek Craston, Susanne Wiedmer, Takae Takeuchi, Jiri Berek, (\$20K-\$25K)

Award project

Lead: Erico

\$0K

Industry project

Lead Derek

\$0K

Ilyas, multicomponent project:

\$5K

Project idea and project concepts considering the interdivisional meeting with Division VI in the afternoon on July 7th

Project Ideas:

Micro plastics (ZM)

Solubility (CM)

Fluorinated compounds (???)

14. Division membership and structure for 2020 – 2021 biennium –Zoltán Mester and Erico Erico M.M. Flores

| Status | Name | NAO |
|--------|------|-----|
|--------|------|-----|

| | | |
|---------------------|-----------------------|----------------|
| TM – President | Zoltan Mester | Canada |
| TM - Vice President | David G Shaw | USA |
| TM – Secretary | Derek Craston | UK |
| TM-Past President | Jan Labuda | Slovakia |
| TM | Clara Magalhães | Portugal |
| TM | Takae Takeuchi | Japan |
| TM | Hasuck Kim | South Korea |
| TM | Petra Krystek | Netherlands |
| TM | Susanne Wiedmer | Finland |
| TM | Vasilisa Baranovskaya | Russia |
| | | |
| AM | Mustafa R. Apak | Turkey |
| AM | Erico M. M. Flores | Brazil |
| AM | Ilya Kuselman | Israel |
| AM | Hongmei Li | China |
| AM | Franziska Emmerling | Germany |
| AM | Jiri Barek | Czech Republic |
| | | |
| NR | Maria Filomena Camoes | Portugal |
| NR | Brynn Hibbert | Australia |
| NR | Serigne A. Ndiaye | Senegal |
| NR | Frank Vanhaecke | Belgium |
| NR | Attila Felinger | Hungary |
| NR | Rufus Sha'Ato | Nigeria |
| NR | Yu-Ju Chen | Taiwan |
| NR | Orawon Chailapakul | Thailand |
| NR | Mariela Piston | Uruguay |
| NR | Luisa Torsi | Italy |

15. Next ACD meetings – Derek Craston (UK)
March or April, 2020, UK

16. Closing Meeting