



*International Union of Pure and Applied Chemistry*  
Analytical Chemistry Division

**Division Committee Meeting**  
**at Hungarian Academy of Science**  
**Pécs, Hungary**  
Thursday, 27<sup>th</sup> - Friday, 28<sup>th</sup> March, 2014

**Minutes**

**Present**

Prof. D. Brynn Hibbert	TM - President
Prof. Jan Labuda	TM - Vice President
Dr. Zoltán Mester	TM - Secretary
Prof. Maria F. Camões	TM - Past President
Prof. Christo Balarew	TM
Prof. Attila Felinger	TM
Prof. M. Clara F. Magalhães	TM
Prof. Yi Chen	TM
Prof. Heli Sirén	TM
Prof. Tatyana Maryutina	AM
Prof. Paul De Bièvre	NR

Apologies

Prof. Yngvar Thomassen  
Prof. Take Takeuchi

**List of attendants:**

<https://www.dropbox.com/s/p4vbu36nndp3s2x/Attendance%20sheet%20Division%20Committee%20Meeting%202014%20Pecs.docx>

**IUPAC Analytical Chemistry Division website:**

[http://www.iupac.org/nc/home/about/members-and-committees/db/division-committee.html?tx\\_wfqbe\\_pi1\[title\]=Analytical%20Chemistry%20Division&tx\\_wfqbe\\_pi1\[publicid\]=500](http://www.iupac.org/nc/home/about/members-and-committees/db/division-committee.html?tx_wfqbe_pi1[title]=Analytical%20Chemistry%20Division&tx_wfqbe_pi1[publicid]=500)

**Welcome and arrangements (BH, AFe)**

**1) Approval of Agenda.** Setting timeframe for meeting – BH.

**Agenda approved**

**2) Division membership and structure for 2014 – 2015 biennium**

- a) Nominating Committee: how do we want to structure the Division? – BH

### **President**

- **Hibbert, D. Brynn**

### **Vice President**

- **Labuda, Jan**

### **Secretary**

- **Mester, Zoltán**

### **Past President**

- **Camões, M. Filomena**

### **Titular Members**

- **Balarew, Christo**
- **Chen, Yi**
- **Felinger, Attila**
- **Kim, Hasuck**
- **Magalhães, M. Clara**
- **Sirén, Heli**

### **Associate Members**

- **Apak, Resat**
- **Bode, Peter**
- **Craston, Derek**
- **Lee, Yook Heng**
- **Maryutina, Tatyana**
- **Torto, Nelson**

### **National Representatives**

- **Chande Othman, Othman**
- **Charles, Laurence**
- **DeBièvre, Paul**
- **Eberlin, Marcos**
- **Fajgelj, Ales**
- **Grudpan, Kate**
- **Hanif, Javed**
- **Mandler, Daniel**
- **Novak, Predrag**
- **Shaw, David**

- MFC: describes the current state of the election process. TM, AM, NR. TMs are elected. Election Committee for Division nominated by the President. Only TMs elected the NR and AMs appointed by the Division Committee.
- PDB: Max service years in IUPAC is 12years. Divisional differences.
- BH: No more than 2 consecutive TM service terms.
- PDB Electorate is the division membership. Five discipline categories set + 1 general candidate.
- BH: video conferencing to activate and involve NRs and AMs.
- YC: dropbox access
- ZM: discipline based election is not necessary appropriate.
- MCM: Solubility Commission attempted to enter some new areas but limited success because of difficulty recruiting members.
- PDB: membership should be based on technical competence. Second tier in the decision making should be geographical consideration.
- MFC: Attempts have been made to bring in new expertise under the emerging technologies. The officers should be active soliciting projects and use it as an recruiting tour.
- AFc: are AMs and TMs elected directly? Or via NAO?

Motion 1: Elect JL chair, MFC member, Hans Gamsjager member, Zhifang Chai member of election committee.

Carried with visible majority

Motion 2: Six electoral categories to be defined by the officers after consultation with the electorate.

Carried with visible majority.

### 3) Reports:

#### a) Division Meeting, at GA in Istanbul, Turkey – BH

-BH: reported on general Division issues and activities. Full report is at:

Dropbox\IUPAC (for ACD)\2014 Pecs\ Division V - report to the Bureau 2014.doc

<https://www.dropbox.com/s/bru2q4ld4f3m7t8/Division%20V%20-%20report%20to%20the%20Bureau%202014.docx>

-PDB: the website requiring review and some update. It is not up to standards.

-BH: IUPAC bureau set up a committee to review the website issues.

-BH: at Turkey meeting the young observers system has been excellent

### 4) Reports from Subcommittees

#### a) Subcommittee on Solubility and Equilibrium Data (SSED)- MCM

-MCM: report on the SSED

[https://www.dropbox.com/s/d8ywqek178ic3uz/SSED\\_Chair\\_2013\\_14\\_report.ppt](https://www.dropbox.com/s/d8ywqek178ic3uz/SSED_Chair_2013_14_report.ppt)

Provided information on membership, activities, meetings/conferences, reports published.

-ZM: Impact? Number of citation? Website access? Can you generate an impact page? Just numbers.

-BH: are we financing these projects? How?

-MCM: solubility for industry, environment and health are the major project categories. Finance required for some of the projects mainly for travel and meetings. Succession planning is a significant problem for the committee.

-HS: How do you ensure quality?

-MCM: rigorous review process. Sometimes limited quantity of data.

-ZM: how much we spend on the solubility projects per biennium?

-MFC: 50% of DivV project budget is for solubility projects. (about \$10K - 15K)

-PDB: this is a core activity. Maybe long range funding commitment from IUPAC needed.

-ZM: we have to describe better our impact.

**Action on MCM: generated access data.**

b) **Interdivisional Working Party on Harmonisation of Quality Assurance** – succession planning – AF

**ACTION ON PDB: by end of July consult and propose a chair for the committee for DivV president's approval.**

c) **Subcommittee on pH** – MFC

-MFC presented an update on the committee's activities

Presentation:

<https://www.dropbox.com/s/wos3z6wdzin0rhv/Presentation%20DAC%20PECS%20pH.pptx>

-MFC bidding on behalf of IUPAC on X prize on pH. pH projects is paying for the participation fees!

-CB: how spectrophotometric and potentiometric methods compare?

-PDB: was traceability paper used (<http://iupac.org/publications/pac/83/10/1873/>)? pH example was actually used in this paper! The relevance of this issue is very significant.

-YC: are these methods compatible with body fluids?

5) **OB update** – BH

-BH: present update on orange book:

<https://www.dropbox.com/s/w2dm2idelkyhbm/Orange%20Book%20meeting%20Istanbul%20013.pptx>

-BH: likely this will be last hard copy orange book

-BH: the proposed title for the new orange book: **Compendium of Terminology in Analytical Chemistry**

-BH: how to write a definition (formatting):

<https://www.dropbox.com/s/d9i2xm06lnp4vc0/OBTermsv1.0%20.dotx>

-BH: how to write definitions:

<https://www.dropbox.com/s/kavo8lkwa6hackb/Axiomatic%20Basis%20of%20a%20vocabulary.docx>

-BH: how to write definitions (style example) from chapter 1:

<https://www.dropbox.com/s/u348o8h8rdwa3p4/ConsOBCh1.pdf>

-BH: basic terms should be sent to BH to be included in the first chapter

### **Reports on chapter:**

#### 1. Report CH 1

Current version of the chapter:

<https://www.dropbox.com/s/u348o8h8rdwa3p4/ConsOBCh1.pdf>

-PDB: the terms in the chapter based/extracted from:

VIM and annotated for analytical chemistry.

Also GUM was extensively used.

IUPAC traceability project: <http://iupac.org/publications/pac/83/10/1873/>

Green book: [http://www.iupac.org/fileadmin/user\\_upload/publications/e-resources/ONLINE-IUPAC-GB3-2ndPrinting-Online-Sep2012.pdf](http://www.iupac.org/fileadmin/user_upload/publications/e-resources/ONLINE-IUPAC-GB3-2ndPrinting-Online-Sep2012.pdf)

Silver book:

ISO 1047:

ISO 31 / ISO 80000:

Fundamental terms in metrology, Chemometrics and statistics , Quality Assurance

#### 2. Report CH 2

Current version of the chapter: N/A

-ZM: In August 2013 the task group met at the conference of Extech in Joao Pessoa, Brazil. The time tables and distribution of tasks was agreed on. The initial screening of terms against existing gold book entries has been completed. The project team plans to meet again in May 2014 and complete the first draft of the chapter.

#### 3. Report CH 3:

Current version of the chapter: N/A

-FMC: needs few more weeks to finalize.

-BH: need the chapter posted on the dropbox asap.

Deadline for posting on dropbox: July 1, 2014

SECOND DAY

March 28, 2014

4. Report CH 4:

Current version of the chapter:

[https://www.dropbox.com/s/kvmzpieplq6mdrg/1\\_Content.doc](https://www.dropbox.com/s/kvmzpieplq6mdrg/1_Content.doc)

-TM: provided update. The chapter is mainly completed. HS and AFe will be providing internal review.

Deadline for posting on dropbox: June 1, 2014

5. Report CH 5:

Current version of the chapter: N/A

BH: Yngvar Thomassen withdrawn from the chapter. Now looking for leads.

PDB: Jose Broekeart,

ZM: Ralph Sturgeon (Atomic and X ray) , Kay Niemax

PDB: Heine Karte (molecular)

PDB: Janke (NMR)

Action on PDB: contact these people and assemble. April 18, 2014 deadline.

6. Report CH 6: PAC recommendation published.

<http://www.iupac.org/publications/pac/85/7/1515/>

Current version of the chapter: N/A

Selection of terms and supporting writing to be done by ZM.

Deadline for posting on dropbox: June 1, 2014

7. Report CH 7:

Current version of the chapter:

<https://www.dropbox.com/s/nrwj8873rf6jc0s/revision%20of%20Chapter%208%20%28Ch%207%29.%20Pingarr%C3%B3n.docx>

-JL: ongoing work

-MFC: ongoing work

Deadline for posting on dropbox: September 1, 2014

8. Report CH 8:

Current version of the chapter:

[https://www.dropbox.com/s/15y3djpzib9fblk/Chai\\_final\\_\\_%20version\\_2013.8.9\\_revised.doc](https://www.dropbox.com/s/15y3djpzib9fblk/Chai_final__%20version_2013.8.9_revised.doc)

ZM: Complete draft submitted.

9. Report CH 9:

Current version of the chapter: N/A

-BH: new lead Jim McQuillan

Deadline for posting on dropbox: December 31, 2014

10. Report CH 10:

Current version of the chapter: N/A

Waiting updated report from Carlos Castro.

Action on MFC: will approach him for update by April 18, 2014

11. CH11:

Current version of the chapter:

[https://www.dropbox.com/s/oog1be643ts35p8/OB\\_Chapter%2011\\_version%20by%2021%20March%202014.pdf](https://www.dropbox.com/s/oog1be643ts35p8/OB_Chapter%2011_version%20by%2021%20March%202014.pdf)

-JL: update

Deadline for posting on dropbox: July 1, 2014

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-CB: solubility related method(s) chapter?

-MFC: perhaps subchapter in Mass and Volume chapter.

**6) Review of actions arising from the ACD meeting in Turkey, 2013- ZM**

ZM: minutes were reviewed and confirmed that all actions completed

**7) Review of Project Progress Reports**

-BH: reported back on the actions from Istanbul minutes (see in Istanbul minutes: <https://www.dropbox.com/s/5ohjee2lyx2t2ko/minutes%20ACD2012Meeting%20Antwerp%20FINAL.doc>)

-BH: current project budgets and status: [https://www.dropbox.com/s/c5qxztsjzmg1r/Total%20C%20and%20OE\\_20140203.pdf](https://www.dropbox.com/s/c5qxztsjzmg1r/Total%20C%20and%20OE_20140203.pdf)

**8) Short reports from liaisons throughout the biennium**

- a) Representative to Interdivisional Committee on Terminology, Nomenclature and Symbols (ICTNS [http://www.iupac.org/nc/home/about/members-and-committees/db/division-committee.html?tx\\_wfqbe\\_pi1\[title\]=Interdivisional%20Committee%20on%20Terminology%20and%20Nomenclature%20and%20Symbols&tx\\_wfqbe\\_pi1\[publicid\]=027](http://www.iupac.org/nc/home/about/members-and-committees/db/division-committee.html?tx_wfqbe_pi1[title]=Interdivisional%20Committee%20on%20Terminology%20and%20Nomenclature%20and%20Symbols&tx_wfqbe_pi1[publicid]=027)) Brynn Hibbert; impressed upon the importance of strong representation.
- b) Committee on Chemical Education (CCE [http://www.iupac.org/home/about/members-and-committees/db/division-committee.html?tx\\_wfqbe\\_pi1\[publicid\]=050](http://www.iupac.org/home/about/members-and-committees/db/division-committee.html?tx_wfqbe_pi1[publicid]=050)) Yi Chen; joined 1.5 days to the CCE meeting. Active liaison with the chair of CCE
- c) Committee on Chemical Industry (COCI [http://www.iupac.org/nc/home/about/members-and-committees/db/division-committee.html?tx\\_wfqbe\\_pi1\[title\]=Committee%20on%20Chemistry%20and%20Industry&tx\\_wfqbe\\_pi1\[publicid\]=022](http://www.iupac.org/nc/home/about/members-and-committees/db/division-committee.html?tx_wfqbe_pi1[title]=Committee%20on%20Chemistry%20and%20Industry&tx_wfqbe_pi1[publicid]=022)) Christo Balarew;
- d) Pure and Applied Chemistry Editorial Advisory Board ([http://www.iupac.org/nc/home/about/members-and-committees/db/division-committee.html?tx\\_wfqbe\\_pi1\[title\]=Pure%20and%20Applied%20Chemistry%20Editorial%20Advisory%20Board&tx\\_wfqbe\\_pi1\[publicid\]=030](http://www.iupac.org/nc/home/about/members-and-committees/db/division-committee.html?tx_wfqbe_pi1[title]=Pure%20and%20Applied%20Chemistry%20Editorial%20Advisory%20Board&tx_wfqbe_pi1[publicid]=030)) Nelson Torto;
- e) International Committee on Weights and Measures/Consultative Committee on the Amount of Substance (CIPM/CCQM <http://www.bipm.org/en/committees/cc/ccqm/>) Aleš Fajgelj;
- f) ISO-Committee on Reference Materials (ISO/REMCO [http://www.iso.org/iso/standards\\_development/technical\\_committees/other\\_bodies/iso\\_technical\\_committee.htm?commid=55002](http://www.iso.org/iso/standards_development/technical_committees/other_bodies/iso_technical_committee.htm?commid=55002)) Aleš Fajgelj;
- g) Joint Committee for Guides in Metrology (JCGM <http://www.bipm.org/en/committees/jc/jcgm/>) Paul De Bièvre  
-PDB: full report: <https://www.dropbox.com/s/an7u5v3fx2b0xxs/PDB%20Draft%20for%20CI%20on%20JCGM.doc>
- h) Joint Committee for Guides in Metrology (JCGM WG1) Working Group 1 Brynn Hibbert; (GUM)
- i) Joint Committee for Guides in Metrology (JCGM WG2) Working Group 2 Paul De Bièvre; (VIM <http://www.bipm.org/en/publications/guides/vim.html>)



- j) Inter-Agency Meeting (IAM  
<http://www.aocs.org/Methods/content.cfm?ItemNumber=2050>) Zoltán Mester;  
Draft minutes of the 2014 meeting:  
<https://www.dropbox.com/s/koidrcqt76hyffp/IAM-26%202014-03-02.docx>
- k) EUCHEMS <http://www.euchems.eu/> – Filomena Camões + Jan Labuda
- l) African analytical network (<http://www.seanac.org/>) – Nelson Torto
- m) CITAC (<http://www.citac.cc/>), Ilya Kuselman/ Aleš Fajgelj

## 9) New project proposals- BH

- BH: division members are encouraged to have projects; the appropriate use of the Project Committee submission for larger projects.
- MFC: last year after Istanbul several submissions from Africa, however these were research projects, not appropriate for IUPAC funding.
- BH: project process described well at: <http://www.iupac.org/home/projects.html>

- a) New proposal on Life-oriented Analytical Chemistry –  
-YC: Living Body Oriented Analytical Chemistry (LAC)  
Presentation: <https://www.dropbox.com/s/kc9zejf2218pa3k/New%20Project-YC.pdf>

-JL: ethical issues?

-MCM: several organization concerned with this

-AFc: communication with the clinical field is strained

-BH: perhaps launch with the a small scoping project (CI article??). Collaboration with human health division (<http://www.iupac.org/nc/home/about/members-and-committees/committees.html>)

-YC: issues around communicating with other fields/disciplines.

- b) New project on databases and Colour Books – BH  
-BH: New projects on color book (primarily gold) database creation.  
Presentation: <https://www.dropbox.com/s/1dg0xt44onhj6el/Database%20project-dbh.pptx>

-MCM: Stewart Chalk interested in database issues (maybe relation to BH's project??)

- c) New project on IUPAC and social media  
-BH: Facebook, twitter etc

## 10) Review of Division operations –BH

- a) Division funds  
-BH: \$12K administrative budget???
- b) Division priorities and core business
- c) Task Groups (proposal to discontinue)  
BH: are these actives?

Action on ZM: delete the task groups from the website

Action on BH: review from terms of reference

- d) Division Elections – mechanisms, fields of interest.
- e) Engagement of Division members (particularly AM/ NR)
- f) Other

**11) Division key products - All**

- a) SC-database  
Action on MCM reporting back by June 1, 2014
- b) Orange Book
- c) CI articles  
-PDB: make sure that print version would not disappear till the website is operational!!
- d) Web page  
-BH: new working group on webpage
- e) Teamwork
- f) Conferences and workshops
- g) Any other initiative

-ZM: link to IUPAC logos <http://www.iupac.org/general/iupac-logos.html>

**12) Discussion/update on SI/redefinition**

- a) Report from Z Mester on SI project
- b) Discussion on the ACD position
- c) Report from BH and Paul De Bièvre on their forthcoming presentations to CCQM (10<sup>th</sup> April)

-PDB:

<https://www.dropbox.com/s/51t4n1zol91y9lm/CONCERNS%20and%20ISSUES%20in%20the%20re-definition%20of%20the%20mole%20copy%202.ppt>

-BH:

<https://www.dropbox.com/s/hcnwaddb3vesgxz/Presentation2CCQM.pptx>

**13) Report to Bureau from Division V – BH**

-BH: Report <https://www.dropbox.com/s/sdi0vqou7zm8623/Division%20V%20-%20report%20to%20the%20Bureau%202014.pdf>

Concerns about state of web site – CM

**14) Next ACD meetings**

**15) AOB**