

48th IUPAC COUNCIL MEETING

Busan, Korea 12-13 August 2015

Minutes

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1. Introductory Remarks and Finalization of Agenda

IUPAC President Dr. Mark Cesa welcomed the delegates to the 48th IUPAC Council meeting. He thanked the Korean Chemical Society and the Busan Organizing Committee for their hospitality and the excellent arrangements for both the General Assembly and the Congress.

Dr. Cesa asked for a moment of silence for IUPAC Colleagues deceased since Council last met at Istanbul.

There were no additions or changes proposed to the Agenda. The Agenda was approved unanimously.

2. Approval of Minutes of 47th Council Meeting and Matters Arising

Dr. Cesa asked if there were any corrections or matters arising not covered elsewhere in the Agenda. No corrections or other matters were proposed. The motion below was made and seconded and was approved unanimously by a show of hands.

Motion: *Minutes of the 47th Council Meeting in Istanbul, Turkey are approved.*

3. Ratification of Decisions Taken by Bureau and Executive Committee since 45th General Assembly

All decisions taken by the Bureau and Executive Committee through calendar year 2014, since those approved by the Council at Istanbul, Turkey (Minute 3, 47th Meeting), are contained in the following Minutes, which were distributed to National Adhering Organizations on the dates shown:

94 th Bureau (Istanbul, Turkey, 15 August 2013)	23 May 2014
95 th Bureau (Coimbra, Portugal, 12-13 April 2014)	11 June 2015
96 th Bureau (Virtual Bureau, Meeting 27 May 2015)	13 July 2015
150 th Executive Committee (Istanbul, Turkey, 15 August 2013)	23 May 2014
151 st Executive Committee (Research Triangle Park, North Carolina) 7-8 December 2013)	23 May 2014
152 nd Executive Committee (Coimbra, Portugal, 13 April 2014) 2015	20 March
153 rd Executive Committee (RTP, North Carolina, 8-9 November 2014)	20 March 2015

Motion: Council ratifies all decisions taken by the Bureau and Executive Committee through calendar year 2014, since those approved by the Council at Istanbul, Turkey (Minute 3, 47th Meeting).

The motion above was made and seconded and was approved unanimously by a show of hands.

4. Announcement of Nominations for Union Officers and Bureau Members

Mr. Colin Humphris noted that biographies of the nominees were available on the IUPAC website and in printed form in the Agenda Book for the Council meeting. He informed the

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delegates that the voting order would be Vice President, Treasurer, Secretary General and then Elected Members of the Bureau. He then reviewed the situation for each office. He indicated that four Bureau members would be elected to complete the full roster of ten members. The nominations received are given below.

Nominations Received

Vice President

Prof. Atta-ur-Rahman (Pakistan)

Prof. Qi-Feng Zhou (China, Beijing)

Treasurer

Mr. Colin Humphris (United Kingdom)

Secretary General

Prof. M. Iqbal Choudhary (Pakistan)

Prof. Richard Hartshorn (New Zealand)

Prof. Ron Weir (Canada)

Elected Members of the Bureau

Prof. Christo Belarew (Bulgaria)

Prof. Christopher M. A. Brett (Portugal)

Prof. Mei Hung Chiu (China Taipei)

Prof. Hemda Garelick (UK)

Prof. Ehud Keinan (Israel)

Dr. Kew-Ho Lee (Korea)

Dr. Patrick Moyna (Uruguay)

Dr. Carlos Tollinche (Puerto Rico)

Prof. Pietro Tundo (Italy)

5. Announcement of Time of Elections

Mr. Humphris announced that the elections for Vice President, Treasurer, Secretary General and Elected Members of the Bureau would be held at 09:00 hours on 13 August 2015. He then announced that the proposed Tellers for the Union election were Prof. Kaoru Yamanouchi (Japan), Prof. Jan Reedijk (Netherlands) and Dr. Fabienne Meyers (IUPAC Secretariat) as Election Tellers.

The motion below was made and seconded and was approved unanimously by a show of hands.

Motion: Council approves the appointments of Prof. Kaoru Yamanouchi (Japan), Prof. Jan Reedijk (Netherlands) and Dr. Fabienne Meyers (IUPAC Secretariat) as Election Tellers.

6. Dr. Cesa introduced Professor Nicole Moreau, Executive Committee ICSU, who reported an overview and current programs within ICSU.

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7. Statutory Report of President on State of the Union

7.1 Report of the President

Dr. Cesa delivered a summary of his Report on the State of the Union. The entire written report is available in the Council Agenda Book. The President reported on the challenges and accomplishments of the Union in the current biennium. IUPAC has strengthened its infrastructure, its finances, and its place as a leader in the chemistry enterprise in the rapidly evolving field of science. Amid the continued strong scientific contributions of volunteers in the Divisions and Standing Committees, IUPAC has positioned its finances for future growth, stabilized and strengthened the Secretariat, and established a new collaborative model for its publications. As IUPAC now approaches its centenary in 2019, a strategy review has been completed to move the Union forward into its second century.

7.2 IUPAC Strategy Review

Dr. Cesa thanked the Strategy Review Task Group members who worked on the development of a new strategic plan. Dr. Cesa summarized the progress achieved for the Strategy review and presented the results to Council.

8. Vice President's Critical Assessment

Prof. Natalia Tarasova delivered a summary of her Vice President's Critical Assessment. The entire written report is available in the Council Agenda Book.

9. Report of Secretary General

Mr. Humphris delivered a summary of his Report of the Secretary General which focused on the restructuring of the IUPAC Secretariat. The written report is available in the Council Agenda Book.

10. Applications for National Adhering Organization (NAO) and Associate National Adhering Organization (ANAO) Status

Mr. Humphris reported that the Spanish NAO, "Spanish IUPAC Committee" organization had applied for readmission under the terms of the readmission policy approved by the Executive Committee having ceased membership in 2015 under the terms of IUPAC Statute 9.2 . The Spanish IUPAC Committee have fulfilled the requirements of the readmission policy. Under the terms of the readmission policy they would be able to vote at Council, once Council approves their application.

Having paid all required National Subscription fees under the terms of readmission, Council approved the following motion by show of hands:

Motion 1: *Council approves the application of [Spanish IUPAC Committee] to be readmitted as an IUPAC National Adhering Organization.*

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The Bangladesh Chemical society had applied for readmission under the terms of the readmission policy approved by the Executive Committee having ceased membership in 2015 under the terms of IUPAC Statute 9.2. A copy of their the application was included in the Agenda Book. BCS has fulfilled the requirements of the readmission policy.

Having paid all required National Subscription fees under the terms of readmission, Council approved the following motion by show of hands:

Motion 2: *Council approves the application of the Bangladesh Chemical Society to be readmitted as an IUPAC National Adhering Organization.*

Four organizations have applied for NAO status since the 47th Council Meeting. All four have been granted Provisional National Adhering Organization (NAO) status by the Executive Committee.

Two Provisional National Adhering Organizations have paid their 2014 National Subscriptions. Under the terms of Provisional Membership they will be able to vote at Council, once Council approves their applications. The two organizations are:

- 10.1. Kazakh National Academy of Science Kazakhstan (NAO)
- 10.2. Comité Sénégalais pour la Chimie Senegal (NAO)

The following motion was approved by show of hands:

Motion 2: *Council approves the applications of the Kazakh National Academy of Science and of the Comité Sénégalais pour la Chimie to become IUPAC National Adhering Organizations. This approval is subject to payment of the 2014 National Subscription fees by Kazakhstan and Senegal and that have been confirmed by the Executive Director of IUPAC.*

Two Provisional National Adhering Organizations have not paid their 2014 National Subscriptions. Under the terms of Provisional membership they can only become members as from January 1st 2016 if their 2014 and 2015 subscriptions are paid. If not, their provisional status ceases.

The two organizations are:

- 10.3. National Nanotechnology Laboratory - High Technology National Center, Costa Rica (NAO)
- 10.4. Sociedad Colombiana de Ciencias Químicas, Colombia (NAO)

The following motion was approved by show of hands:

Motion 3: *Council approves the applications of National Nanotechnology Laboratory - High Technology National Center, Costa Rica and Sociedad Colombiana de Ciencias Químicas subject to their payment of their 2014 and 2015 subscriptions prior to January 1st 2016.*

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One organization has applied for ANAO status since the 47th Council Meeting. Provisional Associate National Adhering Organization (ANAO) status has been granted by the Executive Committee and the 2014 ANAO membership fee has been paid. Under the terms of Provisional Membership this organization will have full rights as an ANAO of IUPAC. The organization is:

10.3 Ghana (ANAO) - Ghana Institute For Pure And Applied Chemistry

The following motion was approved by show of hands:

Motion 4: *Council approves the application of the Ghana Institute For Pure And Applied Chemistry become an IUPAC Associate National Adhering Organization. This approval is subject to payment of the 2014 National Subscription fees by Ghana.*

11. Adoption of Recommendations on Nomenclature and Symbols

Mr. Humphris referred the Delegates to the list of published Recommendations and Technical Reports in the Agenda Book. The motion below was approved unanimously by show of hands.

Motion: *Council formally adopts the Recommendations approved by the Interdivisional Committee on Terminology, Nomenclature and Symbols (ICTNS) and published, or scheduled to be published, in Pure and Applied Chemistry from August 2013 through July 2015.*

12. Validation and Naming of New Elements

Prof. John Corish summarized the most recent efforts regarding the validation and naming of new elements with atomic numbers Z=113,115,117 and 118. Discussion was provided regarding the current status of the IUPAC/IUPAP Joint working Party and the draft reports.

13. Reports of Division Presidents

The reports of the Division Presidents were accepted as read and periods were allocated for questions and comments. Full reports were available in the Council Agenda Book.

14. Election of Union Officers and Bureau Members and Approval of Elected Officers of Divisions

Dr. Cesa discussed the election process that was in the Agenda Book. The election slate (nominees for Vice President, Secretary General and Treasurer and for Elected Members of the Bureau) and information about each of the candidates were included in the Agenda Book.

Council approved the motion by written and secret ballot:

Motion 1: *Council ratifies the election of the new Vice President and Elected Members of the*

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Bureau at the 48th General Assembly in Busan, Korea.

In addition, Officers of the eight IUPAC Divisions are also listed for approval of the Council. Elections for Divisional offices have been completed prior to the Council Meeting, as is the normal procedure, and only require final ratification by the Council.

Council approved the motion by written and secret ballot:

Motion 2: *Council ratifies the election of Division Officers and Titular Members that have been completed previously during individual divisional elections coordinated through the IUPAC Secretariat.*

15. Presentation of IUPAC service awards

Dr. Cesa presented the IUPAC service awards for those IUPAC members retiring from service.

16. Reports of Standing Committee Chairs

The reports of the Standing Committee Chairs were accepted as read and periods were allocated for questions and comments. Full reports are available in the Council Agenda Book.

17. Report from the World Chemistry Leadership Meeting (WCLM)

Dr. Laura McConnell presented the results from the WCLM meeting, having the theme of UN Sustainable Development Goals and how the chemistry community could be involved.

18. IUPAC 100 Proposals

Prof. Tarasova presented the results from the Task Group working on the IUPAC 100 Centenary in 2019.

19. Financial Reports

19.1. Biennial Report of Treasurer

The Treasurer Prof. Corish noted that since the last report, major changes have been carried out in the way in which we treat two of our income streams, namely our publications and investments, and the financial management of the Secretariat and of all our accounting and data systems have been completely modernized and improved to provide real time information and control of our expenditures and income. Prof. Corish noted the change in IUPAC's publishing operations with De Gruyter and the new challenges that it presents in managing cash flow. The 2014 results indicated that the net revenue from PAC and CI has stabilized and is slightly rising with the De Gruyter partnership began.

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19.2. Report of Finance Committee

Prof. Corish noted in his report that the 2014 Finance Committee decided that in light of the changed financial climate we should restructure the way in which we managed our investments to a more pro-active stance to maximize our income return. He noted that the Finance Committee's recommendation to Executive Committee in November of 2014 had been accepted and the IUPAC investment portfolio was now managed by a professional investment manager as part of BB&T Wealth Management. He stated that at the Finance Committee meeting in 2015 the Finance Committee comprehensively reviewed the changeover that had been made in the management of our investment portfolio and approved of its implementation and operation and results during its initial months.

19.3. Accounts for 2013-2014

Prof. Corish the Agenda Book contained the audited financial statements for 2013 and 2014 in which no areas of concern were noted by the auditors. Despite the unusual circumstances prevailing during much of this period as reported in the Biennial Reports of the Acting Secretary General and of the Treasurer the operations of the Union for the biennium were reasonably within budget.

19.4. National Adhering Organizations and Associate National Adhering Organizations in Arrears

Prof. Corish referred to the list provided in the Agenda Book regarding the status of the National Subscription payments for 2014 and 2015.

19.5. Appointment of Auditors for 2015 and 2016

Prof. Corish reported that the Bureau had recommended to Council the appointment of Batchelor, Tillery and Roberts, LLP, of Raleigh, North Carolina USA as IUPAC Auditors for 2015 and 2016. The motion below was unanimously approved by Council.

Motion: *Council approves the appointment of Batchelor, Tillery and Roberts, LLP, of Raleigh, North Carolina USA as IUPAC Auditors for 2015 and 2016.*

20. Proposed Budget for 2016-2017 and National Subscriptions for 2016-2017

20.1 Proposed Budget for 2016-2017

Prof. Corish stated that the Agenda Book contained the budget developed for 2016/2017 using the current model: this includes a line by line comparison with the budget for the current biennium. He also stated that a second budget, the 'Proposed Interim Budget' was included in the Agenda Book. He noted that Bureau had reviewed the two options and approved the Proposed Interim Budget. After lengthy discussion regarding the details of both income and expenses, the effect of exchange

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rates and the implications to the Union and our National Adhering Organizations, Prof. Corish recommended to Council to approve the Proposed Interim Budget for 2016 -2017.

20.2 National Subscriptions for 2016-2017

The Agenda Book included a table showing The amounts of the national subscriptions for 2016 and 2017 in the currencies in which they are paid and calculated using the current model . Prof. Corish noted that large variations between the subscriptions calculated for 2015 and those calculated for the 2016 and 2017 are evident in the table shown in the Agenda Book and it is clear that a significant number of members would face substantial increases in their subscriptions if this model was adopted. He then discussed the Proposed Interim Budget that the principal tenet of this model – the proposed interim model - is that all NAOs share the load as equally as is possible and this is realized by requesting the same percentage increase from all our NAOs based on the currency in which they have chosen to pay. The model therefore maintains the same proportional allocations of the total sum as are being used in the current biennium and the proposal is for a 5% increase for each of the years 2016 and 2017 on the subscriptions paid in 2015. Prof. Corish also discussed the Proposed Interim Budget effect on the overall budget which would represent overall deficits of USD 94.0k and US 67.5k in 2016 and 2017, respectively with respect to the expenditures shown in the current model budget. It is intended that this proposed interim model will operate for the 2016/2017 biennium only.

Prof. Corish discussed that the Proposed Interim Budget will provide an opportunity to reconsider the basis upon which our national subscriptions are calculated and the President proposed to set up a Task Force, which will begin work immediately to develop a new model for adoption at the General Assembly in 2017. The proposed composition of the Task Force which will complete its work by July 2016 is:

Executive Director	Dr. Lynn Soby (Chair)
Treasurer	Prof John Corish
Treasurer Elect	To be determined
Member of Finance Committee	Appointed by the Finance Committee
Two Representatives of NAOs	Bureau Members, one from larger and one from smaller NAO.

Council approved the Motion below by show of hands:

Motion 1: *Council approves of the Proposed Interim Budget for 2016-2017 and the resulting National Subscriptions.*

Council approved the Motion below by show of hands:

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Motion 2: *Council approves the establishment of a Task Force to determine a new method for calculating National subscriptions for approval at the 49th Council meeting in São Paulo, Brazil 2107.*

21. Applications for Associated Organization Status

Mr. Humphris reported that no applications for AO status have been received since the 47th Council Meeting.

22. Termination of Associate Organization Status

Mr. Humphris reported that the following AO's were several years in arrears in the payment of their annual AO fees. They have not responded to contacts to try to rectify this situation.

- 22.1 Federation of Asian Polymer Societies (FAPS)
- 22.2 International Society of Heterocyclic Chemistry (ISHC)
- 22.3 International Zeolite Association Int'l.
- 22.4 Confederation for Thermal Analysis & Calorimetry

Motion: *Council approves the termination of the Associated Organization status of the Federation of Asian Polymer Societies (FAPS), International Society of Heterocyclic Chemistry (ISHC), International Zeolite Association Int'l and Confederation for Thermal Analysis & Calorimetry International Plasma Chemistry Society and the Calorimetry for failure to pay annual subscription fees for several years. **

23. Proposals Formally Received from National Adhering Organizations

Mr. Humphris reported that no formal proposals had been received from National Adhering Organizations.

24. Organizational Changes in Existing IUPAC Bodies, Proposals for New and Reconstituted Bodies/Terms of Reference

Mr. Humphris reported the following proposed organizational changes in existing IUPAC Bodies and discussed the reasoning behind them.

- 24.1. The Terms of Reference of Committee on Publications and Cheminformatics Data Standards (CPCDS) were recommended for approval at Council by the Executive Committee.

Motion 1: *Council approves the proposed Terms of Reference for the Committee on Publications and Cheminformatics Data Standards.*

Council approved the above motion

- 24.2 The Terms of Reference of Project Evaluation Committee (EvC) were recommended for approval at Council by the Executive Committee.

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Motion 2: *Council approves the proposed Terms of Reference for the Project Evaluation Committee.*

Council approved the above motion.

25. Plans for 49th General Assembly and 46th Congress in 2017 (São Paulo, Brazil)

Prof. Adriano Adricopulo and Prof. Luiz Silva provided a detailed update on preparations for the next IUPAC General Assembly and World Chemistry Congress to be held in São Paulo, Brazil in July 2017.

26. Plans for 50th General Assembly and 47th Congress in 2019 (Paris, France)

Prof. Nicole Moreau presented an update report from the French NAO on preliminary preparations for the 50th General Assembly and 47th World Chemistry Congress to be held in Paris, in 2019.

27. Reauthorization of Commissions

Mr. Humphris noted that Bylaw 4.302 requires that Council reapprove all existing Commissions at each General Assembly. Council then voted on the motion below. The motion was unanimously approved by a show of hands.

Motion: *Council reauthorizes the Commission on Physicochemical Symbols, Terminology and Units, the Commission on Isotopic Abundances and Atomic Weights, and the IUBMB-IUPAC Joint Commission on Biochemical Nomenclature (JCBN).*

28. Important Matters Referred to Council by Bureau Not Covered by Items on Council Agenda

No important matters were referred to Council by the Bureau that were not already covered by items on the Council Agenda.

29. Election of Union Officers and Bureau Members and Approval of Elected Officers of Divisions

The elections for Vice President, Treasurer, Secretary General and Elected Bureau Members were held as announced earlier, at 09:00 hours on 13 August 2015. The results of the elections for Union Officers were as follows:

In the election for Vice President, Prof. Qi-Feng Zhou received 117 votes while Prof. Attaur Rahman received 32 votes. Voting was carried out by ballot cards and there were no abstentions. Prof. Qi-Feng Zhou will serve as Vice President during 2016 and 2017.

In the election for Treasurer, Mr. Colin Humphris ran unopposed. Voting was carried out by ballot cards and there were no abstentions. Mr. Humphris received 140 For votes; 7 Against and 2 Abstains. Mr. Humphris will serve as Treasurer for four years beginning in 2016.

In the election for Secretary General, Prof. M. Iqbal Choudhary received 4 votes, Prof. Richard Hartshorn received 107 votes, Prof. Ron Weir received 3 votes. Voting was

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carried out by ballot cards and there were no abstentions. Richard Hartshorn will serve as Secretary General for four years beginning in 2016.

In the election for Bureau Members, Prof. Christopher Brett was re-elected for additional four-year terms on the first ballot by cards. Also in the first round of balloting, Prof. Mei-Hung Chiu (117), Prof. Hemda Garelick (114), Prof. Ehud Keinan (83), Dr. Kew-Ho Lee (109) and Prof. Pietro Tundo (88) were elected for first term of Bureau and will serve for four years beginning in 2016.

Mr. Humphris announced the newly elected officers of the eight Divisions and asked Council to approve their appointments. All the Division officers were approved without dissent and their names are listed below. The names of officers continuing their current terms of office are also included for completeness.

Physical and Biophysical Chemistry Division (I)

President: Prof. Angela Wilson (United States)
Vice President: Prof. Kristin Bartik (Belgium)
Secretary: Prof. Assaf Friedler (Israel)

Inorganic Chemistry Division (II)

President: Prof. Jan Reedijk (Netherlands)
Vice President: Prof. Lars R. Ohrström (Sweden)
Secretary: Prof. Markku Leskelä (Finland, continues)

Organic and Biomolecular Chemistry Division (III)

President: Prof. Margaret A. Brimble (New Zealand)
Vice President: Prof. Francesco Nicotra (Italy)
Secretary: Prof. Amelia Rauter (Portugal)

Polymer Division (IV)

President: Prof. Gregory Russell (New Zealand)
Vice President: Prof. Christine Luscombe (United States)
Secretary: Prof. Michael Walter (United States)

Analytical Chemistry Division (V)

President: Prof. Jan Labuda (Slovakia)
Vice President: Dr. Zoltan Mester (Canada)
Secretary: Prof. Attila Felinger (Hungary)

Chemistry and the Environment Division (VI)

President: Dr. Petr Fedotov (Russia)
Vice President: Dr. Rai Kookana (Australia)
Secretary: Dr. Hemda Garelick (United Kingdom)

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Chemistry and Human Health Division (VII)

President: Dr. Thomas Perun (United States)
Vice President: Dr. Rita Cornelis (Belgium)
Secretary: Dr. Michael Schwenk (Germany, continues)

Chemical Nomenclature and Structure Representation Division (VIII)

President: Dr. Karl-Heinz Hellwich (Germany)
Vice President: Prof. Alan Hutton (South Africa)
Secretary: Prof. Risto Laitnen (Finland)

30. Any Other Business

No other business of the Union was discussed.

31. Closing Remarks, Adjournment

Dr. Cesa thanked the delegates for their active participation and cooperation in making the Council meeting a success. He wished the delegates a safe return journey and urged them to communicate what they had learned to their communities when they arrived home.

Dr. Cesa adjourned the Council meeting.