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COMMISSION INTERNATIONALE
DE L'ENSEIGNEMENT MATHÉMATIQUE
(THE INTERNATIONAL COMMISSION
ON MATHEMATICAL INSTRUCTION)

LA CIEM EN PLEINE TRANSITION MAJEURE

by Bernard R. HODGSON

DE NOUVELLES PROCÉDURES D'ÉLECTION À LA CIEM

En réponse à une résolution de l'Assemblée générale de l'Union mathématique internationale (UMI) tenue en août 2002 à Shanghai, le Comité exécutif de l'UMI, sous la présidence de sir John Ball, a lancé dès 2003 une opération visant à rendre plus transparentes et à l'abri de conflits d'intérêts potentiels les procédures menant à l'élection des membres des comités en charge de l'UMI et de ses commissions. C'est ainsi qu'au cours de l'année qui a suivi, le Comité exécutif de la Commission internationale de l'enseignement mathématique (CIEM/ICMI) a été engagé dans des discussions avec ses homologues de l'UMI afin de définir de nouvelles règles régissant les modalités d'élection de l'Exécutif de la CIEM ainsi que de la mise en place du Comité de nomination chargé de dresser la liste des candidats aux différents postes en jeu dans une élection donnée. Lors d'une rencontre de l'Exécutif de la CIEM avec le Président de l'UMI tenue à Copenhague en juillet 2004 dans le cadre du congrès ICME-10, il a été convenu que l'élection du Comité exécutif de la CIEM serait dorénavant confiée à l'Assemblée générale de la CIEM, et ce à compter du congrès ICME-11 devant se tenir en juillet 2008 à Monterrey. Par ailleurs tout futur amendement aux règles d'élection de la CIEM demeurerait sous la juridiction de l'Assemblée générale de l'UMI.

Les nouvelles règles régissant l'élection du Comité exécutif de la CIEM, dont on trouvera copie à l'Annexe 2, ont finalement été adoptées par l'Assemblée générale de l'UMI tenue en août 2006 à Santiago de Compostela. Lors des discussions qui ont permis de finaliser le libellé de ces procédures, il a de plus été convenu d'introduire

une nouvelle règle stipulant, conformément à la tradition de l'UMI, que le Président de la CIEM serait en poste pour une seule période (plus une autre à titre de Président sortant). L'Énoncé de mandat de la CIEM a été modifié en conséquence en février 2007 par le Comité exécutif de l'UMI (voir Annexe 1).

ÉLECTION DU COMITÉ EXÉCUTIF 2007–2009 DE LA CIEM

Il a également été décidé que les nouvelles règles et procédures d'élection dont avaient convenu les Comités exécutifs de l'UMI et de la CIEM seraient utilisées dans le cadre de l'élection de 2006, mais nécessairement de manière informelle, l'adoption de celles-ci relevant justement de l'Assemblée générale de l'UMI de 2006. C'est ainsi qu'au cours de 2005, un Comité de nomination pour la CIEM a été constitué, sous la présidence de Mogens Niss, avec comme mandat de préparer une liste de candidats pour le prochain Exécutif de la CIEM, mais agissant informellement comme comité consultatif auprès de l'Exécutif de l'UMI.

Lors de l'Assemblée générale de l'UMI tenue en août 2006 à Santiago de Compostela, les personnes suivantes furent élues au Comité exécutif de la CIEM pour la période du 1^{er} janvier 2007 au 31 décembre 2009 :

Présidente :	Michèle ARTIGUE	(France)
Vice-présidents :	Jill ADLER	(Afrique du Sud)
	William (Bill) BARTON	(Nouvelle-Zélande)
Secrétaire général :	Bernard R. HODGSON	(Canada)
Membres :	Maria G. (Mariolina) BARTOLINI BUSSI	(Italie)
	Jaime CARVALHO E SILVA	(Portugal)
	Celia HOYLES	(Royaume-Uni)
	S. KUMARESAN	(Inde)
	Alexei SEMENOV	(Russie)

L'Énoncé de mandat permettant la cooptation d'un ou deux membres additionnels afin de corriger les failles de couverture ou de représentation, Frederick Koon-shing Leung (Hong Kong) a par la suite été coopté comme membre de l'Exécutif. De plus, le Président sortant de la CIEM, Hyman Bass (USA), de même que le Président et le Secrétaire de l'UMI, László Lovász (Hongrie) et Martin Grötschel (Allemagne), sont membres *ex officio* de l'Exécutif de la CIEM 2007–2009.

NOTE. En raison du décalage de deux ans entre les Assemblées générales de l'UMI et de la CIEM, il a été décidé comme mesure transitoire que les mandats des deux prochains comités exécutifs de la CIEM couvriront respectivement les années 2007–2009 et 2010–2012. Par la suite les mandats reviendront à la durée canonique de quatre ans.

ANNEXE 1

AMENDEMENT À L'ÉNONCÉ DE MANDAT DE LA CIEM

L'Énoncé de mandat (*Terms of reference*) de la CIEM a été révisé en avril 2002 – voir *L'Enseignement Mathématique* (2) 50 (2004), 187–190. Le Comité exécutif de l'UMI a adopté l'amendement suivant à l'article 3 par un vote électronique tenu le 7 février 2007.

3. The Executive Committee of the Commission consists of the following members.
 - (a) Elected by the ICMI General Assembly: Nine members, including the four officers, namely, the President, the two Vice-Presidents, and the Secretary-General. The President shall serve for one, non-renewable, term.
 - (b) Ex-officio members: The immediate Past President of ICMI, the President and the Secretary of IMU.
 - (c) Co-opted members: In order to provide for missing coverage or representation, the ICMI Executive Committee may co-opt up to two additional members.

ANNEXE 2

PROCÉDURES POUR L'ÉLECTION DU COMITÉ EXÉCUTIF DE LA CIEM

Les anciennes règles pour l'élection du Comité exécutif de la CIEM – voir *L'Enseignement Mathématique* (2) 50 (2004), 187–190 – sont remplacées à compter de 2006 par celles qui suivent.

PROCEDURES FOR THE ELECTION OF THE ICMI EXECUTIVE COMMITTEE

*(adopted by the General Assembly of the International Mathematical Union
in Santiago de Compostela, August 12–13, 2006)*

1. **Formation of the ICMI Nominating Committee**

The International Commission on Mathematical Instruction (ICMI) Nominating Committee will be formed with the purpose of presenting the slate of nominations for the ICMI Executive Committee (EC) to the Adhering Organizations and member representatives to ICMI, in preparation for the ICMI elections by the ICMI General Assembly (GA). The Nominating Committee shall consist of seven people, each with full voting rights. None of its members shall be eligible for nomination for the ICMI EC. In forming the ICMI Nominating Committee, due consideration should be given to balance, for example with respect to geographic region, sub-field, and gender. The ICMI Nominating Committee will be formed by the following process, which should be completed by 31 December, year ICME – 2 (that is, two years prior to the International Congress on Mathematical Education).

- a) *Chair of the Nominating Committee.* The Chair of the ICMI Nominating Committee shall be chosen by the President of the ICMI in consultation with the President of the IMU and must not be a current member of the IMU EC or the ICMI EC, or be working in the country of either president.

- b) *President of ICMI, or his/her nominee.* The current President of the ICMI, or a nominee of the President, in the year that the ICMI Nominating Committee is formed, shall be a member of the ICMI Nominating Committee.
- c) *President of IMU, or his/her nominee.* The current President of the IMU, or a nominee of the President, in the year that the ICMI Nominating Committee is formed, shall be a member of the ICMI Nominating Committee.

The above three members shall constitute the “core members” of the ICMI Nominating Committee.

- d) *One person chosen by the IMU EC.* The current IMU EC, in the year that the ICMI Nominating Committee is formed, will choose one person to be a member of the ICMI Nominating Committee. This person should, ideally, be one who is knowledgeable regarding ICMI matters and must not be a member of the ICMI EC in the year that the Nominating Committee is formed.
- e) *Two persons chosen at random from nominees of ICMI/IMU members.* The ICMI EC will administer a *random selection* of two members of the Nominating Committee from a pool of nominees submitted by the ICMI members in good standing¹). These nominees shall be persons who are not current members of the ICMI Executive Committee, who are willing to serve, and who do not work in the same country as any of the Nominating Committee members in categories a)–d) above. Each ICMI member in good standing will be entitled to at most one nomination for the Nominating Committee. The call for such nominations²) should be sent by the ICMI EC to the Adhering Organizations and the member representatives to ICMI, by 1 September in the year ICME–2. Nominations, submitted to the ICMI EC, should be received by 1 December of the same year.
- f) *One person experienced with the work of ICMI, chosen by the core members of the ICMI Nominating Committee.* One further member will be chosen by the core members of the ICMI Nominating Committee. This person should, ideally, be a former member of the ICMI Executive Committee.

2. **Duties of the Nominating Committee—the ICMI Nominating Committee Slate**

A nomination slate, to be called the “ICMI Nominating Committee slate,” will be formed by the ICMI Nominating Committee for the election of the Executive Committee of the International Commission on Mathematical Instruction (ICMI EC). This slate shall consist of a unique candidate for each of the four ICMI officers (President, Secretary-General, and two Vice-Presidents), plus at least seven nominees for the remaining five members (“Members-at-Large”) of the ICMI EC to be elected. When forming this slate, the ICMI Nominating Committee, in addition to taking into consideration the nominations received in response to the call made in accordance with item 3 below, is authorized to nominate any duly qualified person for each position.

¹) ‘Good standing’ is defined by two requirements of the ICMI member: 1. Being current in dues payments; and 2. Having clearly identified a member representative who, in turn, has established effective contact with the ICMI Secretary-General.

²) The letter of solicitation of nominees for the Nominating Committee from the ICMI members in good standing should contain some explanation of the functioning of the Nominating Committee, and of the desired qualifications of members of the Nominating Committee.

3. Call for Nominations

By 15 November ICME – 2, the ICMI Secretary-General will send a call for nominations – to the Adhering Organizations and member representatives to ICMI – for each of the ICMI EC positions: President, Secretary-General, Vice-Presidents, and Members-at-Large. Each nomination in response to this call must be accompanied by the proposed candidate's CV and declaration of willingness to serve if elected. These nominations must be received by 1 April ICME – 1 for President and Secretary-General, and by 1 June ICME – 1 for the other positions, in order to be assured of official consideration. Only members in good standing are eligible to submit nominations.

4. Presentation of the Nominating Committee Slate

Two months prior to the ICMI GA, the Secretary-General will send to the Adhering Organizations and member representatives to ICMI the ICMI Nominating Committee slate (see item 2 above). This will be accompanied by a CV for each of the candidates on the slate, plus a list of all nominations submitted to the ICMI Nominating Committee (and meeting the conditions in item 3 above).

If, subsequent to presentation of the slate, and before the General Assembly election, a candidate becomes suddenly unavailable, the core members of the ICMI Nominating Committee shall have the responsibility to propose a replacement candidate, with appropriate documentation, in time for the General Assembly election.

5. Nominations from the Floor of the General Assembly

From the floor of the General Assembly, delegates may present additional nominations, subject to the following prior conditions.

- (i) The nomination must be for a specified position, and come from a member in good standing, with the written endorsement of at least ten other members in good standing.
- (ii) The person nominated must be among those proposed by the Adhering Organizations and member representatives to ICMI in response to the call for nominations made in accordance with item 3 above.
- (iii) The nomination must be accompanied by a CV of the nominee and a reconfirmation of the nominee's willingness to be so nominated, and to serve if elected.
- (iv) In case the nominee is already on the ICMI Nominating Committee slate, but is now being nominated for a different position, that person's name will then be withdrawn from consideration for the position proposed in the ICMI Nominating Committee slate. In short, no person may run as a candidate for more than one position.
- (v) The intention to make such a nomination from the floor, together with the above supporting materials, must be communicated to the Secretary-General of ICMI prior to the General Assembly, in time for possible advance dissemination of the documentation to the General Assembly delegates.

6. Election by the General Assembly

- a) The Chair of the Nominating Committee will present the ICMI Nominating Committee slate to the ICMI General Assembly. If the Nominating Committee Chair is unavailable, the President of ICMI will present the slate.
- b) Further nominations may be made from the floor, subject to the requirements in item 5 above. This will complete the formation of the ICMI slate.

- c) The election of the ICMI EC, based on the ICMI slate, will be conducted as follows. The election shall be presided over by the President of ICMI, or, should the President be not available or be on the ICMI slate, by a member of the ICMI EC, designated by the ICMI EC, who is not on the ICMI slate. Separate elections (with written ballots) shall be taken in the following order, each member in good standing, represented by its delegate to the GA, having one vote in each election:

- President [vote for one]
- Secretary-General [vote for one]
- Vice-Presidents [vote for two]
- Members-at-Large [vote for five]

A ballot will be considered invalid if more names are marked than the number of places to be filled.

- d) A candidate for ICMI President or Secretary-General shall be considered elected if the candidate either is unopposed or receives a majority of the votes cast. If no candidate receives a majority of the votes cast, a second ballot shall be taken for the two or more candidates receiving the largest numbers of votes. The winner of the second ballot shall be the candidate receiving the largest number of votes cast. If there is more than one such candidate, the winner shall be chosen by the presiding officer from among those candidates receiving the largest number of votes.
- e) For the election of Vice-Presidents, the two candidates receiving the largest numbers of votes shall be considered elected. If more than two candidates qualify by this criterion, then a second ballot shall be conducted for these candidates to elect the one or two positions not yet determined by the first ballot. If this second ballot leaves the election still unresolved, then the presiding officer shall choose the winner(s) from among those receiving the largest number(s) of votes.
- f) For the election of Members-at-Large, the five candidates receiving the largest numbers of votes shall be considered elected. Should more than five candidates meet this criterion, a second ballot shall be conducted for those candidates meeting this criterion, to elect the one or more positions not yet determined by the first ballot. If this second ballot leaves the election still unresolved, then the presiding officer shall choose the winner(s) from among those receiving the largest number(s) of votes.

7. **Changes in the Election Model**

The above terms for the structure and formation of the *ICMI Nominating Committee* (items 1 and 2 above) form part of the Terms of Reference of ICMI as a Commission of the IMU. As such, any changes in them should be proposed to the IMU EC, for possible submission to the IMU GA for approval. On the other hand, the above *election procedures* are part of the operating rules of ICMI, and, as such, are under the jurisdiction of the ICMI GA. Proposed changes to the election procedures (items 3, 4, 5 and 6 above) should either be submitted to the ICMI EC, for possible consideration by the ICMI GA, or they may be proposed from the floor of a GA meeting. In the latter case, action on the proposal can be taken only at the following meeting of the GA. Any proposed changes adopted by the GA will apply starting with the election following that meeting of the GA.

TRANSITION PROCESS

1. The new ICMI EC nomination and election model has been approved by the IMU EC in 2004, along with similar proposed changes in its own nomination and election processes. This model has two parts: (1) Formation and function of the Nominating Committee; and (2) Election by the General Assembly of ICMI. In light of IMU EC approval, part (1), the new model for formation of the ICMI Nominating Committee, and the fulfillment of its duties, have been implemented for the 2006 election. The existing Statutes of IMU remain in force at this time, so that the slate submitted by the 2006 ICMI Nominating Committee shall have the status of advice to the IMU EC. This slate shall be communicated to the EC's of both ICMI and IMU and will, with IMU EC approval, be presented by the ICMI Nominating Committee Chair to the IMU General Assembly in Spain.
2. The election of the ICMI EC shall then take place at, and by, the General Assembly of IMU, at ICM-Madrid in 2006. The ICMI Nominating Committee Chair, and the President of ICMI, will attend the IMU GA to be available to explain the slate, and to answer questions about it that may arise. If the General Assembly of IMU approves the new election procedures, the terms of the ICMI EC at this election will be for three years, 1 January, 2007–31 December, 2009. Exceptionally, the President elected in the 2006 election shall be eligible for nomination for a second term.
3. The next election of the ICMI EC will be at, and by, the ICMI General Assembly at ICME-11, in Monterrey, Mexico, July 2008. This election will be conducted according to the above model, with the exception that the then elected EC will assume office only on 1 January, 2010, and for a term of only three years, ending 31 December, 2012.
4. The subsequent ICMI EC election will occur at, and by, the ICMI General Assembly at ICME-12, in 2012, fully in accord with the above model. The ICMI EC elected on that, and future occasions will serve four-year terms, beginning 1 January of the year following the election.

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