

## The European Carbon Association

http://www.hpc.susx.ac.uk/ECA/

 $\label{thm:condition} \textit{The-assoclation-of-the-national-Carbon-Groups-from-Europe-Contact:} \\ \textit{-Contact:} \\$ 

## **MINUTES**

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# Annual Meeting of the ECA Committee Cracow (Poland), June 19, 2012

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**Participants:** Olga Bakalinska, Stanislaw Blazewicz, Diego Cazorla, Elzbieta Frackowiak, Wilhelm Frohs, Mykola Kartel, Wolfgang Klose, Dolores Lozano, Sergey Mikhailovsky, Marc Monthioux, Tony Wickham.

MM welcome the representatives of the Ukraine group for their first participation to the ECA committee as a new member. NK introduces the Ukraine group to the committee, with the support of a slide show. This slide show is summarized at the end of this report, along with the activity reports of the other groups.

The information is given that Turkey, which had formerly applied to join the ECA, has now joined the AACG.

### 1. Approval of the Minutes of the previous ECA meeting

The last version (that was including several corrections or precisions obtained from Wilhelm Frohs by e-mail) of the minutes of the ECA 2011 meeting in Shanghai (China) are approved.

## 2. The World Carbon Council

In addition to the WCC 2011 meeting minutes that had already been sent to all the participants prior to the ECA meeting, the activity of the WCC since July 2011 is reported. It will not be repeated here as the Minutes of the 2012 WCC meeting (June 20) will also contain this info, and will be disclosed to the ECA committee as soon as they will be approved by the WCC participants.

An e-mail discussion had taken place between MM and the British Carbon Group representatives (Gareth Neighbour, Tony Whickam, Sergey Mikhailovsky) prior to the ECA meeting expressing some concerns regarding the WCC. TW summarises this by telling that the purpose of the creation of the WCC did not appear clearly to all within the British Carbon Group. MM explains this purpose again, as a place where the concerns expressed by the continental groups are reported to the others, and where issues related to the organisational aspects of carbon science at the transcontinental level are discussed in order to end up with solutions to be subsequently submitted to the agreement of the continental group committees afterwards. However, for sake of efficiency, actions may be taken without the pre-approuval by the continental group committees when they are related to minor issues, easily meet the agreement of the three WCC members, and have no expected consequence on the life of the national groups. Of course, some credit and confidence should be given to the continental group chairs on that. MM illustrates this by the kind of actions made by the WCC that was just reported in the previous item, and those reported in the WCC 2012 meeting. Another concern was that the level of power that the WCC has does not really appear anywhere. MM reminds that the WCC has no real power indeed. Again, it is a place for debating issues and the related solutions, and where only minor decisions are taken. It is unanimously agreed that some kind of status regarding the WCC constitution, purpose, and level of













power should be written for further reference. TW forward the British Carbon Group opinion that it would have liked to be part of the WCC in order to have full control, but meanwhile agrees that the other national groups around the world would then legitimately have the same request, thereby making the WCC so large that it would have no longer any operability. WF reminds that carbon industries – such as SGL – would also appreciate to be part of it, but agrees that it is practically difficult for the same reason, unless, maybe, they might agree in a common representative.

MM presents the agenda of the forthcoming WCC, to be held on the next day (see **Annex 1**). No addition to it is proposed.

#### 3. First feedback from Stanislaw Blazewicz about the organization of Carbon-2012

SB informs of an anticipated final numbers of participants in the range of 640 (not including the Polish students, who were given free access to the conference. One of his problem was that the money from the participant registration received by the deadline has represented 65% of the total registration income only, and that it was then very difficult to foresee the final budget of the conference. Moreover, 55 participants have paid at full rate during the conference time, what made more that 10% of the total final budget!! This has provided him with some concern related to the conference budget balance, specifically considering the high cost for the conference venue (25% of total budget). Finally, the budget was balanced due to the late and very late incomes (25% income after deadline and + 10% during the conference).

Beside, it does not seem that no-shows have been a major problem, as compared to Biarritz (but MM reminds that this may be due to the fact that the 2009 conference had suffered from the bird flue effect, which has made that people – from Asia, mainly - had decided not to come, or had not be allowed to by their institutions). No significant advice is then needed to be given but, maybe, to ascertain making available online payment by credit card, for sake of simplicity for both the attendees and the organisers.

### 4. Organisation of the European edition of the World Carbon conference

WF confirms that the conference venue in Dresden is already booked (July 12-16, 2015). A slide show about it is ready for being given after the Award session at CARBON'12.

According to the agreement reached in Shanghaï a second full 5-member rotation (Germany, Spain, UK, France, Poland) should be completed before possibly switching to another system (6-member rotation?, or free competition between Groups?), DC confirms that Spain is OK to organise the Carbon Conference in 2018.

#### 5. ECA Award

It is reminded that the laureate of the second ECA award is **Yury Gogotsi** from Drexel University at Philadelphia (Pennsylvania, USA) (see **Annex 2**) as decided by e-vote.

It is noticed that a voting system tentatively different from that of 2009 was used, in order to tentatively prevent the need/risk for a second vote. This new system is described in Annex 3. Also, questions had arisen during the nomination step (e.g., could the Award go to more than one person? Could a nominee be from the same citizenship as the country hosting the ongoing World Carbon Conference?) which have revealed that rules were needed. A document with several proposals to be discussed was sent by MM ahead of the meeting. A more complete set of rules is decided as reported in **Annex 3**.

#### 6. Felcht Award

The question is asked whether we, ECA, shall propose someone for the next (second) Felcht Award to be given in 2013 at the occasion of the CARBON conference in Rio. No name that would be obvious comes out from the discussion.

#### 7. ECA website













As decided during the previous ECA board meeting, MM had contacted Chris Ewels, currently in charge of the ECA website maintenance and updating, to ask him whether he could consider upgrading the website aspect and content, which is currently not serving the ECA well. Chris apologized but had to decline, as he is too busy to do this or even to keep taking care of the current website.

This being heard, the Polish Carbon Group volunteers to take the charge from Chris Ewels and take care of building and maintain and host a new website for the ECA as soon as possible.

#### 8. Organisational info from the Groups

List of the current executive board for each of the carbon groups:

#### French Carbon Group (GFEC):

Current number of members: ~150.

Chair: Marc Monthioux (Toulouse); Vice-Chair: Bénédicte Allard (Graftech/CarboneSavoie); Secretary: Catherine Morlay (Villeurbanne); Treasurer: Guy Furdin (Nancy).

The executive board (in charge since 2007) will be renewed by January 1rst, 2013.

The executive board is part of a scientific council "G30" (~40 members). The G30 meets twice a year. Membership fees are applied, discriminating young people from tenured, and academic from industry.

#### German Carbon Group (AKK):

Chair: Wilhelm Frohs (SGL); Vice-Chair: Siegfried Horn; Other executive board members: Günther Rinn, Walter Handl, Wolfgang Klose, Conny Vogler

Working group leaders: "Bindemittel und Feststoffe", Wolfgang Vesper; "Neue Kohlenstoffformen", Roland Weiß; "Nomenklatur", Karl-Heinz Köchling

#### Polish Carbon Group (PCS):

Current number of members: ~130

Chair: Stanislaw Blazewicz; Vice-Chair: Elzbieta Frackowiak, Jacek Machnikowski, Jan Skowronski; Secretary: Teresa Gumula

Added with 11 permanent members, and a Revision Board (5 members).

#### Spanish Carbon Group (GEC):

Chair: Diego Cazorla Amoros (Alicante); Vice-Chair: Francisco Carrasco Marin (Granada); Secretary: Jose Rodriguez Mirasol (Malaga); Treasurer: Maria Jesus Lazaro Elorri (CSIC); Other executive board members: Miguel Angel Alvarez Merino, Francisco Jose Maldonado Hodar, Francisco Garcia Labiano, Fabian Suarez Garcia, Dolores Lozano Castello, Ana Arenillas de la Puente

#### British Carbon Group (BCG):

Chair: Gareth Neighbour; Vice-Chair: Nicole Grobert, Hon. Secretary: Peter Minshall, Treasurer: Tony Wickham.

#### Ukrainian Carbon Group (ACU):

Chair: Mykola Kartel (Kiev); Vice-Chair: Dmytro Schur (Kiev); Secretary: Gennadiy Prikhod'ko; Other executive board members: Yuriy Tarasenko, Olga Bakalinska, Yuriy Sementsov, Svitlana Zaginaychenko.

No membership fees are applied.

#### 9. Discussing the parallel development of other carbon communities

The problem of the parallel development of several carbon communities beyond the usual sp2/sp3 dichotomy is addressed. This has started with the fullerenes, and then with the nanotubes, and now with the graphene. This is detrimental to the leadership of the "carbon" topic on the current material













science, and specifically nanoscience areas, as it results in the stochastic generation of topical conferences which are organized all over the world throughout the year, at the detriment to each other. It is also detrimental to the knowledge development and scientific efficiency as those communities have obviously a lot in common and a lot to learn from each other.

It is acknowledged that this problem does exist, that it needs to be addressed, but that the problem it not European but worldwide instead. MM reminds that it why it is included in the WCC agenda.

#### 10. Electing the new ECA Chair

The 3-year term of the current Chair of ECA, M. Monthioux, is about to end (December 31, 2012). According to what was decided in 2009, the next Chair should be the Chair of the national carbon Group of the country who is hosting the ongoing European edition of the World Conference on Carbon, that is to say, Stanislaw Blazewicz. SB is then elected at unanimity as the new ECA Chair, effective January 1<sup>st</sup>, 2013. SB however announces that the Board of the Polish Group will be changed in 2013, hence he will shortly be replaced by the new Polish Carbon Group Chair.

#### 11. Other items

The question is asked by MM whether welcoming French-speaking yet non-European members in the GFEC (e.g., from Tunisia, French Canada...) would be a problem. It is said that this remains GFEC's business, as the ECA members are the national Carbon groups, not individuals. However, the only restriction that is anticipated is that this would not allow those countries (e.g., Tunisia, Canada) to host the CARBON conference, which has to be in Europe every three years.

## 12. Information on the activity (past: 2011, and current: 2012) and projects by the various national Carbon Groups within ECA

#### **GFEC:**

Events organised in 2011:

- GFEC-2011 (April 4-7, 2011):
  Annual scientific meeting of the GFEC (in French)
  Orbey, France
- Fonctionnalisation Moléculaire de Subtrats Carbonés (May 9-13, 2011) : Topical Spring School (in French)
   Dinard, France
- CESEP'11 (September 25-29, 2011):
  - 4<sup>th</sup> International Conference on Carbons for Energy Storage/Convertion and Environnment Protection

Vichy, France

Events supported in 2011:

- *GraphITA (May 15-18, 2011) :* 
  - A Multidisciplinary and Intersectoriel European Workshop on Synthesis, Caracterisation and Technological Exploitation of Graphene

Assergi-L'Aquila, Italy

- NanoTeC'11 (August 31-September 3, 2011):
   An annual colloquium by the British Carbon Group Nantes, France
- Symposium "Nanotube & Graphene" in EuroMat2011 (September 11-15, 2011): European Congress and Exhibition on Advances Materials and Processes Montpellier, France

Events organised in 2012:













• Order/Disorder in Bulk Carbon Materials: structure/texture, quantification, imaging, modeling, structure-property relationships (June 15-16, 2012)

A Satellite workshop of the CARBON'12 conference

Cracow, Pologne

• GFEC-2012 (October 1-4, 2012)

Annual scientific meeting of the GFEC (in French)

Houffalize, Belgium

## Events supported in 2012:

• GDR-I'12 (January 23-27, 2012)

Annual Meeting of the GDR-I Nanotubes & Graphenes

Ecully, France

• *ChemOnTubes (April 1-5, 2012)* 

4th international conference on the chemistry of nanotubes and graphenes

Arcachon, France

• *GrapHEL* (27-30 septembre 2012)

An European Conference/Workshop on the Synthesis, Characterization and Applications of Graphene (second edition after GraphITA in 2011)

Mykonos, Greece

## Events to be organised in 2013:

• GFEC-2013 (May, 2013):

Annual scientific meeting of the GFEC (in French)

Location to come, France

• France-Brazil Joint Meeting (July 2013)

A second joint meeting organized at the occasion the Carbon'13 after the first one being organized in 2009 at the occasion of Carbon'09

Rio de Janeiro, Brazil

#### Events to be supported in 2013:

"Carbon-based materials" Symposium (September 8-13, 2013)

Symposium A3 as part of the EuroMat-2013 conference

Seville, spain

• *HeteroNanoCarb* (September 22-27, 2013)

Advances and applications in carbon related nanomaterials: From pure to doping including heteroatom layers

Castelldefels/Barcelona, Spain

#### **AKK:**

#### Events organized in 2011:

• Spring Meeting 2011 (April 8)

Gasphasenprozesse an Kohlenstoffen

Schunk Kohlenstofftechnik GmbH, Heuchelheim

• Fall Meeting 2011 (October 28)

Kohlenstoffmaterialien in Funktionspolymeren

Fraunhofer Institut für Werkstoffmechanik, Schkopau

#### Events organized in 2012:

• Spring Meeting and 3<sup>rd</sup> German-Japanese Joint Symposium (June 25–26)

Development and Technology of Carbon Materials,

Berlin

• Fall Meeting (October 18)

Carbonfaser verstärkter Kohlenstoff

Deutsches Zentrum für Luft- und Raumfahrt (DLR), Stuttgart













European Course on Carbon Materials (November 22–23)
 Organized by AKK and DECHEMA
 University of Augsburg

#### PCS:

Events organised in 2011:

• Carbon Materials and Polymer Composite; development in preparation, investigation and application (November 7-10, 2011)

VI International Scientific and Technical Conference

Ustron, Poland

• *PCS-2011* (November 8, 2011)

The annual PCS Board Meeting

Ustron, Poland

• *ISEECAP* (June 12-16, 2011) :

2nd International Symposium on Enhanced Electrochemical Capacitors

Poznan, Poland

Events supported in 2011:

• *Biocompatibility of Nanoparticles* (July 3-6, 2011)

An European Workshop within the VII<sup>th</sup> Framework Programme, The People, Marie Curie Industry-Academia Partnership

Warsaw, Poland

Events organised in 2012:

• PCS-2012 (April 4, 2012):

The annual PCS Board Meeting

Cracow, Poland

• *CARBON'12* (June 17-22, 2012)

The Annual World Conference on Carbon

Cracow, Poland

• Carbon Materials and Polymer Composite; development in preparation, investigations and applications (November 13-16, 2012)

VII International Scientific and Technical Conference

Ustron, Poland

Planned projects and events in 2013:

• 2<sup>nd</sup> Polish – German joint meeting (April?, 2013)

The Annual Scientific Meeting of the PTS and GCG representatives

Wroclaw, Poland

• 10th Torunian Carbon Symposium (September 5-8, 2013)

The 25 year anniversary of the PCS will be celebrated during the Symposium.

The *Annual PCS Meeting* and the election of the new executive Board (Chair and vice Chairs) will take place at this occasion.

Torun, Poland

#### GEC:

• "Boletín del Grupo Español del Carbón" (ISSN: 2172-6094) http://www.gecarbon.org/boletin.asp

The Spanish Carbon Group publishes four issues per year of the Spanish Carbon Journal. It publishes works on science and technology of carbon materials and coal. In particular, all aspects related to energy and environmental applications. We have strengthened the "Boletín", we got the ISSN; it contains remarkable reviews, original research papers, review













of GEC activities and abstracts of the PhD thesis defended on these topics. Free submission of manuscripts (in Spanish or English) is open to all researchers interested in these topics.

#### Events organized in 2011:

• XI Reunión del GEC (October 23-26, 2011)

Biennial meeting of GEC (in Spanish)

Badajoz, Spain

• PhD Award to the best PhD Thesis on carbon materials and coal defended in the period 2010-2011.

#### Events organized in 2012:

Carbon Materials (November 5-9, 2012)
 Courses (in Spanish) for Master and phD students
 Baeza, Jaén.

## Events to be organized in 2013:

• XII Reunión del GEC (October 20-23, 2013) Biennial meeting of GEC (in Spanish)

Madrid, Spain

• *Coal Technologies* (2013)

Courses (in Spanish) for Master and PhD students Zaragoza, Spain.

#### **BCG**:

Events organised in 2011.

*NanoteC11* (August 31<sup>st</sup> – September 3<sup>rd</sup>, 2011) Nantes, France

*Medical Devices and Carbon Materials: Current Issues in Health and Environment* (21<sup>st</sup> – 22<sup>nd</sup> September, 2011) University of Brighton, UK

*Modelling and Measuring Reactor Core Graphite Properties and Performance* (1<sup>st</sup> – 3<sup>rd</sup> November, 2011)

*XMAS Meeting* (15<sup>th</sup> December, 2011), Institute of Physics, London, UK Events organised in 2012.

Real World Applications of Carbons (4<sup>th</sup> April, 2012) British American Tobacco, Southampton, UK NanoteC12 (August 29<sup>th</sup> – September 1st, 2012), University of Sussex, UK

9<sup>th</sup> European Conference on Coal Research and its Applications (10<sup>th</sup> – 12<sup>th</sup> September, 2012)

University of Nottingham, UK

XMAS Meeting (20th December, 2012), University of Manchester, UK

Events to be organised in 2013.

*NanoteC13* (August 28<sup>th</sup> – 31<sup>st</sup>, 2013) University of Surrey, UK

Sustainable Carbon Management (September, 2013) London, UK

XMAS Meeting (December 2013), London, UK

#### **ACU:**

Events organized in 2011:

• Actual Problems of Chemistry and Physics of Surface (May, 11-13, 2011) (in Ukrainian)

Kiev, Ukraine

## Events organized in 2012:

• Chemistry, Physics and Technology of Surface (May, 15-16, 2012) (in Ukrainian)

Kiev, Ukraine

• XIIIth Ukrainian-Polish symposium (September, 11-14, 2012)













Theoretical and Experimental Studies of Interfacial Phenomena and their Technological Applications

Kiev - Puscha-Ozerna, Ukraine

Events organized in 2013:

• Chemistry, Physics and Technology of Surface (May, 15-17, 2013) (in Ukrainian) Kiev, Ukraine

- XII International conference "Hydrogen Material Science & Chemistry of Carbon Nanomaterials" (June, 2013 – shifted to June 2014)
   Yalta, Crimea, Ukraine
- 2nd Ukrainian-French School-Seminar "Carbon Nanomaterials: Structure and Properties" (September, 16-20, 2013)
  Beregove, Crimea, Ukraine

Made in Toulouse, October 25, 2012

The Chair of the ECA

Marc Monthioux

Completed in Cracow, July 1,2013 By Stanislaw Blazewicz













## Transcontinental Meeting Between AACG, ACS, and ECA ("WCC") Cracow, June 20, 2012

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## TENTATIVE AGENDA

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**Expected participants:** Hui-Ming Cheng (AACG Chair), Wesley Hoffman (ACS Chair), Marc Monthioux (ECA Chair)

## 1. Reporting and discussing queries and recommendations from the Continental Group Committees

This will include whatever will come out from the ECA meeting in Cracow

#### 2. Status on the WCC activities since the last meeting in Shanghai

This will include (1) examining what has been done and what has been not done among the various actions that were planified in the previous WCC meeting minutes, (2) examining what has been done since the previous WCC meeting yet not planified at that time, (3) the following-up of the various actions taken

## 3. The Gordon Conference on the Chemistry and Physics of Graphitic Carbon Materials (June 2012)

(see Appendix) Discussing the occurrence of the Gordon Conference on Carbon that is currently being held the very same week of the Cracow conference, Action to take, of course with respect to possible forthcoming editions?

#### 4. Relationship with other carbon-related initiatives taken outside AACG, ACS, or ECA

Brainstorming about what to do to limit the control-less multiplication of conferences focusing on carbon, and specifically graphenes.

#### 5. The forthcoming Carbon-2013 in Brazil

Discussing any possible recommendation to give to the Organising Committee of the Carbon Conference in Brazil (Carbon-2013)? In particular, brainstorming for fighting the no-show problem.

#### 6. Others items?

- Informing the WCC about the next ECA chair.

















Yury Gogotsi promoted scientific collaboration between the US and Europe through joint research projects and student exchange with researchers in France (U Paul Sabatier, Sorbonne (Paris 7), Limoges, and CNRS labs), England (Imperial College, Cambridge University, Univ. of Brighton, Univ. Nottingham), Germany (Universities of Karlsruhe, Tuebingen, Bremen, Dresden and Erlangen-Nuremberg), Italy (Univ. Padova and Rome), Sweden (Linkoping Univ.). Results of this collaborative research were published in dozens of paper in peer-reviewed journals ranging from Science and Nature family journals to CARBON. Some of those papers have had a major impact on the development of the capacitive energy storage field.

He has contributed to teaching European students by lecturing as Visiting Professor at Univ. Limoges and Paul Sabatier University, France, as well as giving numerous seminars in European countries.

He has been supportive towards the future generation of European scientists by initiating student exchange/visit programs with Ukraine (National Technical Universities - Kiev Polytechnic) and Russia (Moscow State University). Hosted students, post-docs and faculty from UK, Germany, France, Switzerland, Turkey and other European countries. One of his German PhD students, Sebastian Osswald, won the prestigious CARBON-Elsevier award for the best PhD thesis on Carbon materials (given once in 3 years). He also helped the Erasmus Mundus Master Program in Materials for Energy (MESC) reach to the US by bringing Drexel University as an official US partner in 2011 (currently 3 MESC students are doing MS thesis research at Drexel).

Consulted for Arkema and ABB contributing to development of advanced material technologies in Europe.

Invitations to present numerous invited and keynote talks at conferences in Europe, including the World Conference on CARBON, British Carbon Group meetings, Carbon Materials for Energy and other events show that the recipient is highly respected by his European colleagues.

He provides service to carbon science community in Europe and worldwide as an editor of CARBON (Elsevier).













## **ECA Award Definition and Rules**

## **ANNEX 3**

New rules were discussed and voted during the meeting. Precisions added after the meeting for clarity by MM are enlighted in blue.

#### Definition:

The European Carbon Association (ECA) Award, created 2009, is to recognise a significant contribution to the European carbon science community carried-out by a scientist from anywhere in the world, or a remarkable service to the worldwide carbon community carried-out by a scientist from Europe.

The award will be made on the recommendation of the ECA Award Committee and seeks to honour "Remarkable service to carbon science community" with the recipient holding the respect of their colleagues and "having been influential and supportive towards others in the pursuit of scientific excellence or have made a significant contribution in providing a strong foundation to the community of carbon scientists and technologists in order to promote a flourishing and healthy environment for scientific achievement".

## *Eligibility:*

It is clear from the above that any European scientist is eligible with no discrimination of gender or age. Non-European scientists from anywhere in the world may also be eligible, provided they fulfil the award definition above. By "European" it is intended to cover the countries belonging to the European Union at minimum. The eligibility of other countries may however be considered, and will be discussed by the ECA board as needed.

The Award should go to an individual. Nominations of scientists of the same citizenship as the country where the CARBON conference is organised or from the same carbon group as the one in charge of organising the ongoing CARBON conference are permitted.

#### Periodicity:

The ECA Award will be presented at each World Conference on Carbon organized by one of the national carbon groups of the ECA, that is to say, every three years.

#### *Nature of the Award:*

The ECA award includes a certificate signed by the ongoing Chair(wo)man of the ECA and a money prize of 1000 Euros.

#### Nomination:

Nominations may be made by any scientist around the world, independently from the national carbon groups from the ECA. It should be sent to the Chair of ECA in charge at the time of the World Conference on Carbon to be held in Europe at the occasion of which the Award will be given. Only one nomination may be made by one nominating person.

The nomination should be made without the knowledge of the potential recipient and includes a supporting letter (not more than one page) summarising the merits of the nominee with respect to the definition above.

#### *Selection procedure:*













First, the eligibility of the nominee(s) is checked by the ECA Chair, and any questionable case is openly debated within the ECA board until an agreement is reached. Then the selection procedure may start.

The regular representatives (i.e., the group chairs) of the carbon groups that are the members of the ECA – one representative per group – are the voters. The votes are sent to the ECA Chair by e-mail and should not be disclosed to anyone inside or outside the ECA board (but to the ECA chair) until the end of the voting procedure step is reached.

Abstention is not permitted (but the blank vote is). If a national carbon group Chair is impeached to vote for some reason, the group vice-Chair is entitled to vote instead of him/her.

<u>In case there is one nominee only:</u> the question to be answered by the voters is "do you support the nomination of X?" "Yes" or "No". The nominee should get 2/3 positive votes to become the laureate (i.e., for a board of 6 members, 4 should say "yes").

Then the ECA board votes to select the laureate. The 6 members of the ECA board are the voters. The votes are sent by e-mail to the ECA Chair. There might be a maximum of 3 runs. If no selection has been possible after 3 runs, there will be no Award this year.

In case there are more than 1 nominee: each of the voters get three notation cards (with 3, 2, and 1 point respectively) that he/she is allowed to attribute (only once each) to a maximum of three selected nominees including the "blank" option. The other nominees, if any, get 0. A voter may choose to select and rank only 1 or 2 nominees instead of three. A voter may choose not to give the maximum amount of points to the nominee he/she has selected yet he/she may have selected only one.

This voting procedure is intended to (1) prevent the need for a second run of votes; (2) provide a better vision of the compared, actual merits of the nominees. However, in case two nominees both get the same amount of points, a second run is organised to select the laureate among the two ex-aequo. In case the second run still cannot select one of them, the ECA chair has the casting vote.

#### Selection disclosure

The laureate is informed by the ECA Chair. The ECA Chair should make sure that the laureate will come to the CARBON conference in person to receive his/her Award. The ECA Chair may inform the CARBON conference organizing commmittee of the laureate identity afterwards, for disclosing the name of the laureate in the conference documents and program as needed.

In case the laureate cannot – or do not intend to - come to the conference to receive hi/her award, the ECA board will discuss the case and take a decision. The decision may be to give the Award to the nominee ranked n°2 (if any) from the results of the votes.

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