

## IEEE Computational Intelligence Society

ADCOM Meeting  
6 December 2009  
Hilton Hawaiian Village  
Honolulu, HI USA

### Present CIS EXCOM Members:

President ..... David Fogel  
President-Elect..... Gary Yen  
Vice President, Finance ..... Piero Bonissone  
Vice President, Conferences.....Garrison Greenwood  
Vice President, Technical Activities..... Kay Wiese  
Vice President, Publications..... Xin Yao  
Vice President, Members Activities.....Slawo Wesolkowski  
Vice President, Education.....Jennie Si

### Present Elected ADCOM Members (voting):

Bernadette Bouchon-Meunier  
Gary Fogel  
Jerry Mendel  
Leszek Rutkowski  
Pablo Estevez  
Simon Lucas  
Laszlo Koczy  
Robert Kozma  
Enrique Ruspini  
Jim Bezdek  
Jim Keller  
Chin-Teng Lin  
Marios Polycarpou  
Jacek Zurada

Absent: Julia Chung

### Editors and Chairs in Attendance:

Editor, Transactions on Evolutionary Comp.....Garrison Greenwood  
Editor, Transactions on Neural Networks.....Marios Polycarpou  
Editor, Transactions on Fuzzy Systems.....Nik Pal  
Editor, Computational Intelligence Magazine.....Gary Yen  
Editor, Trans. On Comp Intelligence & AI in Games.....Simon Lucas  
Editor, Trans. On Autonomous Mental Dev.....Zhengyou Zhang  
TC Fuzzy Systems (Chair)..... Hisao Ishibuchi  
TC Neural Networks (Chair).....Cesare Alippi

TC Evolutionary Computation (Chair).....Kay Chen Tan  
 TC Intelligent Systems Applications (Chair).....Ke Chen  
 TC Adapt. Dynamic Prog. & Reinforcmnt. Learn. (Chair)...Derong Liu  
 TC Autonomous Mental Development (Chair).....Zhengyou Zhang  
 TC Emergent Technologies (Chair) .....Chang-Shing Lee  
 TC Data Mining (Chair) ..... Alessandro Sperduti  
 TC Computational Finance and Economics (Chair).....Robert Golan  
 TC Games (Chair).....Sung-Bae Cho  
 Standards (Chair).....Robert Kozma  
 Awards Committee (Chair).....Gary Yen  
 Constitution & Bylaws Committee (Chair).....Vincenzo Piuri  
 Nominations and Appointments.....Vincenzo Piuri  
 Distinguished Lecturers Program (Chair).....Leszek Rutkowski  
 GOLD (Chair).....Damien Coyle  
 History Subcommittee .....Gary Fogel  
 Senior Members Subcommittee.....Hani Hagra  
 Student Travel Grant Subcommittee.....Lingfeng Wang  
 Webinars Subcommittee.....Bruno Di Stefano  
 Manager, CIS Webpage.....Jeen-Shing Wang  
 Manager, CIS E-Letter.....Haibo He  
 Multimedia Tutorials Sub-Committee (Chair)..... Deana Delp  
 Summer Schools Sub-Committee (Chair)..... Moufid Harb  
 Grad Student Res.Grants Sub-Cmte, (Chair)..... B. Bouchon-Meunier  
 University Curricula Sub-Committee .....(Chair) Ke Chen  
 Educational Repository Sub-Cmte ..... Deana Delp  
 Student Games-Based Competition Sub-Committee .....Linfeng Wang  
 Continuing Education Sub-Committee (Chair) ..... Yaochu Jin

Staff:

Jo-Ellen Snyder

David Fogel called the meeting to order at 8:19 AM and welcomed everyone.  
 Role call was made.

**Motion by Bonissone to approve agenda. Seconded.**

**In Favor – All      Opposed – None      Abstained – None**

**Motion by G.Fogel to approve minutes of ADCOM meeting of June 2009. Seconded.**

**In Favor – All      Opposed – None      Abstained – None**

**President’s Report – David Fogel**

Fogel reported on the achievements of the society over the past year.

- Publication of two new journals (TCLIAIG, TAMD)

- Cosponsor of another (T-Affective Computing)
- Membership now over 6000
- Launch of educational activities
- Many successful technical and conference activities
- Superior publications performance
- Solid finances
- Transition to Gary Yen going smoothly
- AdCom votes
  - Approved (email):
    - Presidential appointment of KC Tan as Editor-in-Chief of IEEE Computational Intelligence Magazine
    - Distribution of Ad-Hoc Committee Reports to ConfCom

Fogel also presented the following issues to be discussed:

- Several major conference proposals have been submitted for consideration
- Publications review indicates problem with the T-AMD launch
- New award language for your consideration
- Consideration of recommendations on DLP

#### **VP-Conferences Report – Garrison Greenwood**

Greenwood reported on slate of conferences where CIS is a Sponsor, Technical Co-Sponsor, and presented the Conference Closing report highlighting the Conferences that are not yet closed.

Greenwood also provided an overview of issues addressed within ConfCom and reviewed the conference calendar.

**Motion by Greenwood from the Conference Committee to approve the general chair, dates, and venue for WCCI 2012 (Brisbane) .**

**Motion by Ruspini to divide the question for approval of the general chair, dates, and venue only. Seconded**

**In Favor – 18 Opposed – None Abstained – 4 (Zurada, Estevez, Kozma, Yen)**

**Motion by Greenwood from the Conference Committee to approve the general chair, dates, venue and budget for FUZZ-IEEE 2011 (Taipei).**

**In Favor – 21            Opposed – None            Abstained – 1 (Lin)**

**Motion by Greenwood from the Conference Committee to approve the general chair, dates, venue and budget for SSCI 2011 (Paris).**

**In Favor – 19 Opposed – None Abstained – 3 (Bonissone,Bouchon-Meunier, Polycarpou)**

**Motion by Greenwood from the Conference Committee to approve the general chair, dates, venue and budget for CIG 2010 (Copenhagen).**

**In Favor – All          Opposed – None          Abstained – None**

**Motion by Greenwood from the Conference Committee to approve the general chair, dates, venue and budget for CIMSA 2010 (Taranto).**

**In Favor – All          Opposed – None          Abstained – None**

**Motion by Greenwood from the Conference Committee to approve The change from Gwenn Volkert as general chair to Gwenn Volkert and Dan Ashlock as general co-chairs.**

**In Favor – All          Opposed – None          Abstained – None**

**Motion by Greenwood from the Conference Committee the addition of a \$75 one-day tutorial registration for students, \$150 for non-students for CIBCB 2010 in Montreal.**

**In Favor – 20          Opposed – None          Abstained – 1**

**Motion by Greenwood from the Conference Committee that the requirement that CIS members be charged lower registration rates at CIS sponsored conferences is rescinded.**

**In Favor – All          Opposed – None          Abstained – None**

**Motion by Greenwood from the Conference Committee to approve the MOU template for technical co-sponsorship (without proceedings).**

**In Favor – All          Opposed – None          Abstained – None**

**Motion by Greenwood from the Conference Committee to approve the MOU template for technical co-sponsorship (with proceedings).**

**In Favor – All          Opposed – None          Abstained – None**

**The following information items were presented to the AdCom:**

- **Cesare Alippi (the current TC-NN chair) is appointed as the technical co-chair from CIS for IJCNN 2011**
- **CONFCOM will now have a two phase review process for funded conferences**
- **Computational Intelligence and Games will be changing from a symposium to a conference**
- **Expect a smooth transition to the new VP (conferences)**

### **VP-Education Report – Jennie Si**

Si reported on the activities of the subcommittees, highlighting the major updates since the June 2009 meeting. Reports were given :

#### **Multimedia Tutorials Report – Deana Delp**

Reported on the activities of the subcommittee, and the progress in uploading the Video plenary/tutorial/panels talks from SSCI 2009 and IJCNN09. The procedure is stable and there are plans to continue the practice at key CIS conferences. It was also reported that IEEE is re-evaluating the current ExpertNow practice. A new proposal for less production cost and more productive procedure is being prepared.

#### **Summer Schools and Funding Report – Moufid Harb**

Reported on the following summer schools; The Jyvaskyla Summer School, First Australasian Computational Intelligence Summer School (ACISS' 09) and The University of Chile Summer School.

#### **Graduate Student Research Grants – Bernadette Bouchon-Meunier**

Reported on the successfully completion of the first round grant selection, including streamlined procedures. Major updates to the web site have been completed and the committee is ready for the next wave of applications. The following motions were passed by the Education Committee:

**Motion by Si from the Education Committee to Suspend the “graduate student research grants” program pending on a review of the existing guidelines. Revisions will need to be approved by the AdCom before the program resumes for the next competition.**

**In Favor – All      Opposed – None      Abstained – None**

**Motion by Si from the Education Committee to Un-suspend the “graduate student research grants” program based on the modified guidelines.**

**In Favor – All      Opposed – None      Abstained – None**

The revised guidelines were reviewed in detail with the AdCom.

**Motion by Ruspini to approve the new Graduate Student Grant Program as presented. Seconded.**

**In Favor – All      Opposed – None      Abstained – None**

**Educational Repository Report - Gwenn Volkert and Deana Delp**

Reported on major adjustments to make Google based repository functional. The overall site is in good shape, some fine tuning remains to be completed. Several discussions have taken place on a new and better platform for educational repository as server space is becoming an issue.

**Continuing Education Report – Yaochu Jin**

Reported on the activities of the committee including; Setting up a summer school with an industrial application theme, Collecting successful industrial application case studies to be published online or elsewhere, Create industrial problem challenges open to students and researchers and Create industrial theme conference/workshop.

**Student Games-Based Competition - Lingfeng Wang**

Reported on the activities of the committee including; an online forum was established; Cesare Alippi from NNTC proposed the idea of collaborating with TF education chaired by Ivo Bukowski; Jennie Si and Ivo Bukowski discussed possibility of collaborating on student competitions. The subcommittee will develop competition problems, competition guidelines and evaluation procedures, and award mechanism.

**University Curricula Report – Ke Chen**

Reported on the activities of the committee including the following; Books/teaching portfolios (lecture notes, small illustrative examples, and Matlab code on popular subjects) for university professors, practicing engineers, and students, and establish a reward mechanism.

**VP-Members Activities Report – Slawo Wesolkowski**

Wesolkowski provided membership statistics showing record growth of CIS. He also highlighted the accomplishments of the Members Activities Committee and key activities of the subcommittees.

**Motion by Wesolkowski to approve the DLP selection to serve 2010 - 2012.**

**Motion by Greenwood to divide the question. Seconded**

**In Favor – 15      Opposed – None      Abstained – 5**

**Motion by Ruspini to postpone approval of 6 DLP candidates pending evaluation of qualifications. Seconded**

**In Favor – 5                  Opposed – 14                  Abstained – 1**

**Motion by Wesolkowski to approve list of 6 DLP candidates to serve 2010 - 2012. Seconded**

**In Favor – 16    Opposed – None    Abstained – 4 (G. Fogel, Polycarpou, Ruspini)**

**Motion by Wesolkowski to approve Jun Wang to serve as DLP 2010 - 2012. Seconded**

**In Favor – 16    Opposed – None    Abstained – 4 (G. Fogel, Polycarpou, Ruspini)**

**Motion by Bonissone to enter committee of the whole. Seconded**

**In Favor – All                  Opposed – None                  Abstained – None**

**Motion by Wesolkowski to ask MAC to return to the next AdCom with firm proposed criteria for DLP selection. Seconded**

**In Favor – All                  Opposed – None                  Abstained – None**

**Motion by Wesolkowski to leave committee of the whole. Seconded**

**In Favor – All                  Opposed – None                  Abstained – None**

Reports on the activities of the following committees were presented:

- E-Letter; testing a new system for launch in 2010.
- GOLD Sub-committee; member survey, competitions and GOLD events at conferences.
- History Sub-committee; has IEEE server space, collection of history, from conferences and CIS members.
- Senior Members Sub-committee; soliciting nominations from chapters for elevation to Senior member.
- Student Travel Grants Sub-committee; grants for CIS sponsored conferences, poster competitions and student receptions.
- CIS Website; status of current system, options for migration, timetable for migration and advantages of new system.

**Break for Lunch 12 noon – 1pm**

**Motion by Greenwood from the Conference Committee to approve the revised budget for WCCI 2012 (Brisbane).**

**In Favor – 17    Opposed – None    Abstained – 3 (Zurada, Kozma, Bonissone)**

### **VP-Publications Report – Xin Yao**

Yao provided a review of the activities of the Publications Committee and related journals, highlighting the increasing JCR scores, the success of the two new journals, and the transitions between the new E-I-Cs. Yao also reported on journals that we cosponsor; Trans. on Information Forensics and Security and Trans. On Affective Computing.

#### **Transactions on Neural Networks Report – Marios Polycarpou**

Reported on the status of T-NN, including the key statistics of the journal; the TNN Impact Factor in 2008 was 3.726, which is an all time high placing TNN 11th overall among 249 journals in Electrical and Electronic Engineering; the publication queue is about 3-4 months; submissions have been increasing slowly but steadily. The overall acceptance rate 2004-2006 is 29.2%; the average time between submission and first review is approximately 100-110 days; the average time for TNN between submission and publication is approximately 16 months. Transition from Marios to Derong is going smoothly.

#### **Transactions on Fuzzy Systems Report – Nik Pal**

Reported on highlights of TFS; The 2008 Impact Factor of TFS is 3.624, which is higher than that of all its competitors. Last year it was 2.137, i.e., it has increased by 70%.; TFS maintains a good submission-to-first-decision and submission-to-final-decision time, we have an acceptance rate of about 20%; TFS continues to publish special issues in emerging areas. A special issue on “Evolving Fuzzy Systems” published December 2008 and reviewing of papers for another timely special issue on “Computing With Words” is ongoing. TFS now follows a clearly described five-phase procedure for organization of special issues. The Short Paper category and the Application category that we have introduced are found to be quite effective.

#### **Transactions on Evolutionary Computation Report – Garrison Greenwood**

Reported on the status of the journal, the 2008 Impact Factor of TEC is 3.736. Its impact is confirmed by yet another indicator: C. Y. Lee and X. Yao, “Evolutionary programming using the mutations based on the Levy probability distribution,” IEEE Transactions on Evolutionary Computation, 8(1):1-13, January 2004. which was identified in July 2009 by Thomson Reuter's Essential Science Indicators<sup>SM</sup> as “one of the most cited papers in the field of Computer Science”. Several special issues are in progress.

#### **Editor, CI Magazine – Gary Yen**

Reported on the status of the Magazine, new E-I-C, Dr. KC Tan, has been appointed beginning 1/1/2010 the transition is underway. A style guideline is under development to educate our authors to better identify papers suitable for



CIM, as opposed to those better suited to our three transactions. The most recently released impact factor for CIM is 2.535.

**Transactions on Computational Intelligence and AI in Games Report – Simon Lucas**

Reported in the status of the journal; the Manuscript Central submission server opened for submissions at the end of September 2008. The journal is doing well in terms of submissions and first review time. The first four issues are expected to be all published by December 2009. Special issues were also discussed

**Transactions on Autonomous Mental Development Report – Zhengyou Zhang**

Reported on the status of the journal; the first two issues have been published, there are delays for the 3rd and 4th issues. The number of submissions has been low, action is needed to increase submissions. Special issues were also discussed

**IEEE Transactions on NanoBioscience - Kay C. Wiese**

Reported on the developments with the *IEEE Transactions on NanoBioscience*. The impact factor has gone up from 1.392 (2005) to 2.592 (2006) and is now going down again to 1.899 (2007) and 1.341 (2008). The 5 year impact factor is 2.233. (ISI Web of Knowledge). Management issues for this journal continue and may be a contributing factor to decreasing journal scores.

**IEEE/ACM Trans. On Computational Biology & Bioinformatics - Kay C. Wiese**

Reported on the status of the journal; the impact factor for 2008 is 1.866 an increase from 2007. CIS members have supported the journal as authors, reviewers and Associate Editors over the past years, particularly from the BBTC. The journal seems to be managed well with few problems through the transition to the new E-I-C.

**Liaison to IEEE Press – Gary Fogel**

Reported on the activities of the IEEE Press and the CI book series and provided details on the following; September 29 IEEE Press teleconf attended by Gary Fogel; IEEE Press E-I-C and Editorial Board Members (six) CI Series, edited by David Fogel, the CIS Series is "one of seven main series" for IEEE-Wiley; book proposals are still low for all series: a net of 12 proposals in the last 7 months Gary F. is retiring from the IEEE Press liaison position a search is on for the next candidate?

**Motion by Yao from the Publications Committee to approve to change the name of IEEE Transactions on Neural Networks to IEEE Transactions on Neural Networks and Learning Systems.**

**In Favor – 20    Opposed – None    Abstained – 2 (Zurada, Bouchon-Meunier)**

**Motion by Yao from the Publications Committee to approve to change the scope of IEEE Transactions on Neural Networks as presented.**

**In Favor – 21    Opposed – None    Abstained – 1 (Zurada)**

### **VP-Technical Activities Report – Kay Wiese**

Wiese reported on the activities of the technical committees and related task forces. There are currently 11 TCs and the Standards Committee. A major activity for 2009 was the reorganization of TCs and TFs to become more lean and efficient and to terminate TFs that were inactive. In addition, emphasis was placed on supporting our major CIS conferences in the form of panels, tutorials, and special sessions. Particular emphasis was placed lately on having all TFs organize at least 1 Special Session at WCCI 2010. The transition to Hisao Ishibuchi is going smoothly.

#### **Neural Networks TC Report – Cesare Alippi**

Reported on activities of the TC, changes to the membership of the committee, the activities of the Task Forces including; conference participation, competitions, books, special issue publications, and special sessions planned for WCCI 2010.

#### **Fuzzy Systems TC Report – Hisao Ishibuchi**

Reported on activities of the TC including the membership of the committee, the activities of the Task Forces including; conference and workshop participation, tutorials, special issue publications, and special sessions.

#### **Evolutionary Computation TC Report – Kay Chen Tan**

Reported on the activities of the TC including; current membership, activities in conjunction with conferences, publications and Task Force activities highlighting the conference/workshop activities and special sessions.

#### **Autonomous Mental Development TC Report – Zhengyou Zhang**

Reported on the activities of the TC, goals of the TC, membership, upcoming conference activities, special issues, and the creation of new Task Forces. The newsletter was also highlighted.

#### **Adaptive Dynamic Programming and Reinforcement Learning TC Report – Derong Liu**

Reported on the activities of the TC, upcoming conference activities, proposed special sessions and workshops and the activities of the Task Forces.

#### **Bioinformatics & Bioengineering TC Report – Presented by Kay Wiese**

Reported on the activities of the TC, the continued success of its flagship conference CIBCB and its involvement with T-CBB on special issues. She also highlighted the continued activities of the Task Forces in support of the growth of the TC.

#### **Computational Finance and Economics TC Report – Robert Golan**

Reported on the activities of the TC, and the changes in the membership of the TC in support of its strategic plan. The activities of the TC were highlighted including renewed participation in the conferences.

**Data Mining TC Report – Alessandro Sperduti**

Reported on the activities of the TC, including the focus on the broad applications of data mining, and the role of CI in the data mining process. Conference and publication activities were also discussed.

**Games TC Report – Simon Lucas**

Reported on activities of the TC, including activities that use CI technologies in games and competitions that are hosted by the TC. The activities of the Task Forces were also discussed.

**Emergent Technologies TC Report – Chang-Shing Lee**

Reported on the activities of the TC including activities in conjunction with conferences, publications and Task Force activities.

**Intelligent Systems Applications TC Report – Ke Chen**

Reported on the activities of the TC, upcoming conference and workshop activities, special issues, and the creation of new Task Forces.

**Standards Committee Report - Leszek Rutkowski**

Reported on the activities of the Standard Committee, highlighting the activities of the three task forces; Software, involving a repository for standard software used in CI technologies, Benchmarks and Competitions, and Terminology and Basic Definitions, to cover all three disciplines, fuzzy systems, neural networks, and evolutionary computation.

**Past President's Report – Vincenzo Piuri**

Reported on the activities of the IEEE Systems Council, including its journal and upcoming special issue. He also reported on the activities of the Biometrics Council including, conferences, publications and educational activities.

**Constitution and Bylaws – Vincenzo Piuri**

Piuri reported on the activities of the committee. The following items were highlighted:

- Changes to the C&BL
- One vote to postponed stops discussion until next face to face meeting
- Report of vote and vote distribution

**Motion by Piuri to approve the changes to the Constitution and ByLaws. Seconded.**

**In Favor – ALL      Opposed – None      Abstained – None**

**Motion by Piuri to approve the changes to the email voting rules. Seconded.**

**In Favor – ALL      Opposed – None      Abstained – None**

#### **Awards Committee Chair Report – Gary Yen**

Yen discussed the new awards that were sent to IEEE for consideration by TABARC. President Fogel expressed his disappointment on the manner in which the award submission and feedback was handled at the IEEE level.

**Motion by Yen to approve the Outstanding CI Organization Award as presented. Seconded.**

**In Favor – ALL      Opposed – None      Abstained – None**

**Motion by Yen to approve the revision made to IEEE Computational Intelligence Society’s Neural Networks Pioneer Award as presented. Seconded.**

**In Favor – ALL      Opposed – None      Abstained – None**

**Motion by Yen to approve the revision made to IEEE Computational Intelligence Society’s Fuzzy Systems Pioneer Award as presented. Seconded.**

**In Favor – ALL      Opposed – None      Abstained – None**

**Motion by Yen to approve the revision made to IEEE Computational Intelligence Society’s Evolutionary Computation Pioneer Award as presented. Seconded.**

**In Favor – ALL      Opposed – None      Abstained – None**

#### **VP Finance Report – Piero Bonissone**

Bonissone presented the financial CIS 2009 Financial Situation:

- End-of-the-Year Reserve Projection
- End-of-the-Year Surplus Projection
- CIS 2010 Budget – Already approved in ATL

#### **New Business**

Simon Lucas opened a discussion on the possibility of changing the CIS tag line.

**Motion by Lucas to change the tag line from Mimicking Nature for Problem Solving to Nature-Inspired Problem Solving. Seconded**

**In Favor – 12 Opposed – 5 (G. Fogel, Keller, Greenwood, Bonissone, Yen) Abstained – None**

Xin Yao opened a discussion on publishing a rebuttal to an article published in a non-IEEE publication.

**Motion by Ruspini to enter committee of the whole. Seconded**

**In Favor – All      Opposed – None      Abstained – None**

**Motion by Ruspini to enter executive session. Seconded**

**In Favor – All      Opposed – None      Abstained – None**

**MEETING ENTERED EXECUTIVE SESSION**

**Motion by Bonissone to leave executive session. Seconded**

**In Favor – All      Opposed – None      Abstained – None**

**MEETING LEFT EXECUTIVE SESSION**

Yen announced the meeting schedule for 2010;

- AdCom 2010-1, in conjunction with WCCI 2010  
July 16-18 in Barcelona, SPAIN
- AdCom 2010-2, December 10-12 in Cancun, MEXICO

**Motion by Bonissone to adjourn the meeting. Seconded.**

**In Favor – All      Opposed – None      Abstained – None**

Meeting adjourned 5:15 PM.