Minutes of the Control Systems Society Board of Governors Meeting
December 15, 2009
Shanghai, China

Call to Order and Approval of Agenda

T. Samad called the meeting of the Control Systems Society (CSS) Board of Governors (BoG) to order at 1:00 PM on December 15, 2009, and asked the attendees to introduce themselves. The following members of the BoG were in attendance: Eduardo Camacho, Christos Cassandras, David Castañón, Daizhan Cheng, Masayuki Fujita, Shuzhi Sam Ge, Oscar Gonzalez, Shinji Hara, João Hespanha, Karl Johansson, Zongli Lin, Richard Middleton, Yoshito Ohta, Marios Polycarpou, Tariq Samad, Jing Sun, Mario Sznaier, Roberto Tempo, Elena Valcher and Mathukumalli Vidyasagar. Francesco Bullo, Lalit Mestha and Claire Tomlin were unable to attend the meeting in person, but joined via Skype. Additionally, the following visitors attended the meeting: Frank Allgöwer, Anuradha Annaswamy, Panos Antsaklis, John Baillieul, John Baras, Theodore Djaferis, Pradeep Misra, Dragan Nesic, and Joan Pratt.

Quorum was established and the agenda was approved prior to the meeting with unanimous consent. Next R. Tempo asked if anyone would like to remove items from the Consent Agenda (see Appendix A). T. Samad requested that the motion for appointment of the AEs for Transactions on Control Systems Technology be removed. The motion was removed and the remainder of the Consent Agenda was approved unanimously.

Next, the minutes of the BoG meeting of June 9, 2009, held in St Louis, MO, USA were approved unanimously.

Action Items

Appointments
Roberto Tempo presented the new and continuing 2010 appointments that were not included on the consent agenda.

- **New and Continuing Associate Editors for the IEEE Transactions on Control Systems Technology. In addition to the continuing AEs listed in the consent agenda, the following new AEs were nominated: Prof. YangQuan Chen,** Utah State University, USA, **Prof. Claudio De Persis,** La Sapienza University of Rome, Italy, **Prof. Nael H. El-Farra,** University of California, Davis, USA, **Prof. Masayuki Fujita,** Tokyo Institute of Technology, Japan, **Prof. Martin Guay,** Queen's University, Kingston, Canada, **Prof. Bin Jiang,** Nanjing University of Aeronautics and Astronautics, China, **Dr. Jae Lew**, Eaton Innovation Center, USA, **Prof. Derong Liu**, University of Illinois at Chicago, USA, **Dr. Jianbo Lu,** Ford Motor Company, USA, **Prof. Kristin Pettersen,** Norwegian University of Science and Technology, **Prof. Andrea Serrani,** Ohio State University, USA, **Dr. Sophie Tarbouriech,** LAAS-CNRS, Toulouse, France, **Prof. Miloš Žefran,** University of Illinois at Chicago, USA. The nominations were unanimously approved by BoG.

- **2010 CSS Executive Committee:** R. Tempo, President; R. Middleton (President Elect); T. Samad (Past President); S. Hara (Vice President Member Activities, continuing); C. Cassandras (Vice President Publication Activities), Shuzhi Sam Ge (Vice President Technical Activities, continuing); P. Misra (Vice President Financial Activities); M.E. Valcher (Vice President Conference Activities, continuing); M. Sznaier (Executive Director, continuing). Tempo explained that Eduardo Misawa had resigned as VP for Publication Activities and that Christos Cassandras had agreed to be nominated as the new VP PA. Maria Elena Valcher agreed to serve one more year as VP Conference Activities. Tempo moved for the approval of this slate and it was approved with unanimous consent.

- **Board of Governors:** Tempo reminded BoG that in addition to the six new BoG members elected by the CSS membership for three-year terms, he as CSS President is responsible for selecting six "appointed" members for one year terms. Tempo informed BoG that he was appointing the following members to the Board for 2010: Richard Braatz, Jun-ichi Imura, Alberto Isidori, Faryar Jabbari, Asuman Ozdaglar, Zhihua Qu. Since these are appointed positions, BoG approval was not required. The BoG supported the appointments and welcomed the slate of newly appointed BoG members.

- **Program Chair, 2012 CDC.** Tempo provided background information on the 2012 CDC and presented the nomination of Maria Elena Valcher (University of Padova, Italy) as its Program Chair. The nomination was unanimously approved by BoG.

2011 Budget Motion:

The CSS Past President David Castañón presented the following motion on behalf of Eyad Abed (VP for Finance Activities) who was unable to attend the BoG meeting.

- **All membership and subscription fees to remain the same as for 2010**.

The motion was unanimously approved by BoG.

Publication Activities Motion.

The CSS President Elect, Roberto Tempo, presented the following motion

- **Motion to approve $25,068 to prepare and distribute 6CDs in 2010 each containing the content of two issues of the Transactions on Automatic Control, except for the 6th which will include the content of all twelve 2010 issues.**

Tempo presented an analysis prepared by IEEE showing that the cost of preparing and distributing these CDs is approximately $25000, compared to $105000 for the printed version of TAC. John Baillieul indicated that the task force on the future of TAC wanted to initiate a "gentle" migration to the time where there will not be hard copies of TAC, except those printed on demand. Other options including being able to download the content of TAC and providing thumb drives instead of CDs were considered. It is estimated that each issue of TAC contains about 20Mb of data. The issue of having searchable CDs and the associated costs were discussed. It was pointed out that these CDs are a good vehicle for outreach and can be distributed at conferences and other venues and sent to CSS chapters. Some BoG members inquired whether the same approach can be used with the Control Systems Magazine and the Trans. on Control Systems Technology. Tempo indicated that the consensus of the task force is that the CSM should be kept in print. The discussion on having the TCST on CDs was postponed due to the transition to a new EiC. After this discussion, Tempo called for a vote and the motion was unanimously approved.

Motions related to the Task Force on Outreach.

Next, Tariq Samad, CSS President and Chair of the Task Force on Outreach presented a summary of the Task Force activities and several related motions. Tariq reminded BoG that in 2008 it had approved $110K funding for activities under the auspices of the task force. Activities undertaken in 2009 included:

- An "Impact of Control" workshop, held in Berchtesgaden, Germany, October 18 – 20, 2009, led by Anuradha Annaswamy (MIT) and Martin Buss (Tech. Univ. Munich), discussing past accomplishments and future directions for control science and engineering
- A survey on controls curricula, led by Jeff Cook (Univ. of Michigan), seeking feedback on "How well are controls curricula serving industry needs?" The survey results are available as a report on ieeecss.org.
- Establishment of a popular LinkedIn group
- Website enhancements

Samad indicated that the Task Force plans to continue its operation in 2010, following up on 2009 activities and initiating new ones, including:

- Organization of outreach-related workshops (lead: Gary Balas, Univ. of Minnesota)
- New website initiatives, including a CSS Lecture Library (lead: Magnus Egerstedt, Georgia Tech)
- Completion of the "Impact of Control" workshop report (lead : Anuradha Annaswamy , MIT)
- Initiation of a webinar series (lead: Tariq Samad, Honeywell)

Following this background material, Samad presented the following motion:

- **Motion to allocate $100K in 2010 for the CSS Task Force on Outreach.**

 Samad noted that the level of funding requested for 2010 is the same as budgeted for 2009. Several issues related to the proposed activities were discussed by BoG. It was indicated that at present time membership in the LinkedIn group is limited to CSS members and that in the future it may be beneficial to expand it to other engineering professionals. Regarding the CSS online lecture library, it was noted that access is currently not restricted to CSS members. David Castañón indicated that the CSS may want to draft a set of guidelines for future presentations to be included in the library, including requirements on the quality of the media used to record these. BoG members inquired about plans to follow up on the 2009 workshop on the Impact of Control and whether the cost of these follow-ups was included in the $100K request. Tariq indicated that this cost was included in the budget. BoG also felt that government agencies should be involved in these workshops but that CSS should retain the initiative. After these discussions a vote was called and the motion passed unanimously.

- **Motion to establish a CSS Outreach Fund for projects that will benefit CSS and the controls community in general**.

  Samad indicated that the Task Force recommended the establishment of an Outreach Fund from 2011 onward, open to the CSS membership, to fund projects that will benefit CSS and the controls community in general. The Fund will be managed by the CSS Task Force on Outreach and will be subject to guidelines posted on the CSS Website. Examples of projects that would be supported include
  - Outreach activities for pre-university students and teachers
  - Promotional materials for CSS or the field
  - Workshops on control-related topics
  - CSS membership drives

Samad indicated that the Outreach Fund could be used to support students, to support administrative or support staff, and for material expenditures (including subcontracts) and travel. The Fund would not be used for salaries of working professionals in the field, including faculty and researchers in industry, nor to support any for-profit activity. Proposals to fund scientific research would also not be considered. In the discussion following the presentation of the motion it was noted that depending on the size of the grant, approval from IEEE may be needed. Following this discussion a vote was called and the motion approved unanimously.

- **Motion to approve $150K for the CSS Outreach Fund for 2011**

Following approval of the motion to establish the CSS Outreach Fund, T. Samad presented a motion requesting $150K for this fund for 2011. He indicated that the Task Force hopes to support 6 – 10 projects in the first year, each with a maximum value of $25K, and that any funds left unspent will be returned to CSS reserves. The motion was unanimously approved by BoG.

Motions Approved by Email

M. Sznaier reminded BoG that the following motions were discussed and approved by email in the period between the June and December BoG meetings:

- Motion to appoint Jessy Grizzle as a Senior Editor (SE) of the Transactions of Automatic Control (TAC). The motion was passed on September, 8, 2009.

- Motion to implement a consent agenda for CSS Board of Governors (BoG) meetings. The motion was passed on October 23, 2009.

Activity Reports

Report on the Task Force on Outreach.

Prior to presenting motions related to the Task Force on Outreach, T. Samad presented to BoG a summary of the activities undertaken by the CSS Task Force on Outreach, chaired by him, during 2009. Samad began his presentation by reminding Bog that at the December 2008 meeting, the following activities were approved:

- Survey and suggestions for controls curricula. (Lead: Jeff Cook, Univ. of Michigan)
- Organization of a workshop on industry/university/government collaborations in control. (Lead: Gary Balas, Univ. of Minnesota)
- Design and implementation of a revitalized website for CSS. (Lead: Magnus Egerstedt, Georgia Institute of Technology)
- Development of a Chinese language version of the CSS website. (Lead: Yi Huang, Chinese Academy of Sciences)
- Establishment of a LinkedIn group for Control Systems Society. (Lead: Richard Murray, California Institute of Technology)

Samad reported progress in all of these activities. Samad indicated that Jeff Cook (University of Michigan), with help from several others, developed an informal survey to evaluate how control is taught for undergraduate and master's degrees, solicit comments from industry and academia on capabilities and perceived shortcomings of entry-level control engineers, and initiate discussion on how curricula might be improved. The survey resulted in over 200 responses. The results have now been analyzed and a report has been prepared that is available on the CSS Website: http://www.ieeecss.org/PAB/CSSSurvey07AugustData_v3-1.pdf.

Samad noted that this was not a scientific survey and no attempt was made to ensure a representative sample of respondents. However, the results are instructive for our community. He highlighted several points from the report:

- Faculty overrate quality of graduating students in terms of satisfying industry needs (32% "excellent" or "good" rating by industry of entry-level control engineer capabilities, versus 50% rating by faculty)
- Seventy-two percent of industry respondents think "hands-on experience" is the area that most needs to be strengthened to better prepare control engineers; about 61% of university faculty respondents agree. This is further reflected in industry emphasis on the importance of "noncore" subjects such as real-time operating systems, real-time software techniques, and system integration.
- A significant majority of industry respondents consider mathematical modeling of physical systems to be a valuable skill. Models and methods considered to be "important" or "essential" include control-oriented models, simulation models for system verification or product design, nonlinear models, real-time models for hardware-in-the-loop verification, and experimental system identification methods. Significantly, only linear models and control-oriented models were identified by more than 50% of university respondents as "topics covered in a course or courses that you regularly or occasionally teach, and that would typically be completed by entry level control engineers graduating from your institution."
- Classical control design techniques identified as important by industry respondents include PID tuning and integrator windup (considered "important" or "essential" by 92.8% and 83.6% of industry respondents, respectively); 69.1% and 36.1% of faculty respondents identified these topics as part of a curriculum for entry level control engineers. Robust control design (H_∞, μ analysis) is considered among the least important of control topics by industry respondents, yet some of these topics are well covered in academic curricula according to faculty respondents. In contrast, survey data suggest that model predictive control (MPC) is an area of interest for industry that is not typically covered in a curriculum aimed at entry-level engineers.
- More than 50% of industry respondents consider the following implementation issues to be "important" or "essential": Characteristics of sensors and actuators (84.9%), numerical methods for real-time integration (55.8%), real-time software techniques (69.2%) and real-time operating systems (50.9%). Of these topics, only "characteristics of sensors and actuators" was identified by more than 50% of university faculty respondents as being part of an entry level control curriculum.

Next, Samad discussed an industry/university/government workshop held in 2009. In mid-October, under the leadership of Anuradha Annaswamy (Massachusetts Institute of Technology) and Martin Buss (Technical University of Munich), CSS cosponsored a meeting of the Task Force and an "International Workshop on the Impact of Control: Past, Present, and Future." Other organizers included Gary Balas (University of Minnesota), Patrick Dewilde (TUM), and Tariq Samad. This event, held in Berchtesgaden, Germany, included about 70 invited participants with good representation from industry and government, and much of the content focused on industry / academic / research agency dialog. Plenary presentations were given by Peter Terwiesch (ABB), Karl Åström (Lund University), and Alkis Konstantellos (European Commission). The workshop was structured to facilitate discussions. Most of the program consisted of two sets of breakout sessions. The first set of breakouts was along application lines (Aerospace, Automotive, Biological Systems, Complex Networks, Manufacturing Automation and Robotics, Process Control, Renewable Energy and Smart Grid) and the second set was structured on cross-cutting themes (Application and Market Requirements, Cognitive Control, Education, Implications for Research Communities, Tools and Platforms, Visibility and Outreach). A report is currently being prepared and is expected to be completed by spring 2010. The European Commission and the U.S. National Science Foundation have both indicated that they would like to use this report to help set directions for future controls programs.

Concerning Web activities, Samad noted that a new website was developed for CSS under the leadership of the Editor for Electronic Publications, Magnus Egerstedt of Georgia Tech. www.ieeecss.org now includes a regularly updated news line. In addition, initial steps have been taken towards a future multilingual Web presence: a Chinese-language version is also available, thanks to Yi Huang of the Chinese Academy of Sciences.

Next, Samad reported on the status on the "IEEE Control Systems Society" LinkedIn group, established by Richard Murray (Caltech). Membership continues to grow and now numbers over 550. During 2009, the group has featured a number of interesting discussions (one on "How would you define controls to a nontechnical audience?" has been especially popular) and postings on job opportunities. Tariq reminded BoG that CSS members can join this group by visiting http://www.linkedin.com/e/gis/1514847.

Samad also noted a new initiative, the launching of the "CSS Online Lecture Library," containing audiovisual archives of plenary lectures from our conferences and selected other presentations. The lecture library is hosted at www.ieeecss-oll.org. The library is being maintained by a company, Conference Catalysts, under contract to CSS and under the supervision of the Editor for Electronic Publications, Magnus Egerstedt of Georgia Tech.

Report of the President

T. Samad shared with BoG major highlights and accomplishments from 2009.

 Regarding conference activities, T. Samad noted that 2009 was an especially busy and productive year. A new policy that allows the upload of three accepted papers with each full registration and one accepted paper with a student registration has been approved and will be put into effect beginning with the 2010 MSC. The existing memorandum of understanding (MoU) with SIAM regarding the inclusion of SIAM papers in the CDC program and proceedings has been revised to ensure that papers will adhere to current guidelines and processes. The CSS Conference Editorial Board underwent a leadership transition this year; Thomas Parisini (University of Trieste) handed over to Alessandro Astolfi (Imperial College London). During 2009, CSS conferences continued to expand the society's global reach. MSC 2009 was held in St. Petersburg, Russia, under the General Chairmanship of Alexander Fradkov (Russian Academy of Sciences) and was our first major event in Russia. The 2009 CDC was being held in partnership with the Chinese Control Conference; both this partnership and the China venue are firsts for us. The CSS Board of Governors also approved another "global" CDC; in 2013, the CDC will be held in Venice, with Roberto Tempo (IEIIT-CNR, Politecnico di Torino) and Thomas Parisini as co-chairs. Finally, Samad noted that the CSS imprimatur continues to be eagerly sought by other conferences, which request CSS's technical cosponsorship. Ensuring that we only align ourselves with high quality events in fields of direct interest to us requires diligence and oversight. During 2009, the VP for Conference Activities, Maria Elena Valcher received about 20 requests, rejecting (after consultation with the rest of the Executive Committee) several that were considered not to meet the society's standards.

Next, Tariq Samad presented a summary of publications related activities that took place during 2009, noting that CSS publications continue to be recognized for their quality. All of the society's publications saw significant increases in their citation impact factors and the *Transactions on Automatic Control* (*TAC*) is once again the top-rated journal in the automation and controls field by this metric. During 2009 and early 2010, editorial successions occurred with both CSS Transactions. The transition from Frank Doyle (University of California, Santa Barbara) to Thomas Parisini for the *Transactions on Control Systems Technology* has been smoothly completed. The transition of the *TAC* leadership from Christos Cassandras (Boston University) to Panos Antsaklis (University of Notre Dame) will be completed in early January 2010 [Executive Director's note: this transition has now successfully occurred]. During 2009, *TAC* also revised its editorial structure, a response to the increasing volume of submissions it is now receiving. The Associate Editor At-Large (AEAL) positions were removed and a number of Senior Editors have been appointed and given significant editorial authority. During 2009, Roberto Tempo led a task force on the future of *TAC* and the resulting report was presented to BoG at the December 2009 meeting. One recommendation from the task force, and the subject of a motion approved by BoG at the December 2009 meeting, is to send print subscribers of *TAC* CD-ROMs containing the journal's content as well. In future, subscribers may be given an option to receive content on a CD-ROM or other permanent digital medium separately from print copies.

Regarding Technical Activities, Samad noted that during 2009, CSS established a Technical Committee on Systems with Uncertainty, with Graziano Chesi of the University of Hong Kong as its first chair. TC-SU will help cover the space that was lost when the TC on Robust Control ceased operation and, at the same time, broaden the society's coverage of uncertainty-related aspects of control. Samad also noted that one TC also changed its name, from Computer Aided Control Systems Design to Computational Aspects of Control System Design, reflecting a broadening of charter from the earlier, narrower "computer-aided design" focus. Finally, Samad thanked the Vice President of Technical Activities, Shuzhi Sam Ge (National University of Singapore), for the effort that he personally led to engage

with the IEEE Technology Navigator project, which is attempting to create a knowledge resource tool covering all IEEE technologies. Samad noted that thanks to these efforts, CSS is one of a few IEEE societies that are well represented. The Technology Navigator should be launched to the public sometime next year.

Next, Samad indicated that two new, permanent CSS awards were approved by IEEE in 2009. The CSS Transition to Practice Award replaces the Industry Award for Excellence in Translational Control Research that had been given for the last few years with funding from Xerox Corporation (thanks to the efforts of L.K. Mestha). The new Transition to Practice Award will be funded by CSS. The Award comes with an invitation to deliver a plenary lecture at the Multiconference on Systems and Control. The first recipient of this award is Prof. Kameshwar Poolla of the University of California, Berkeley and he will deliver the plenary at the 2010 MSC in Japan. The second award approved is the IEEE CSS Award for Technical Excellence in Aerospace Control. This award has been proposed by the CSS Technical Committee on Aerospace Control (chaired by James Buffington of Lockheed Martin). Implementation of this award will be deferred until the funding required to endow the award ($50K) has been obtained, entirely or mostly from industry sources. Samad thanked Jay Farrell (past VP of Technical Activities) and Ted Djaferis (Awards Chair) for their efforts in shepherding these awards through the process.

Next, Samad indicated that the CSS has undertaken several outreach activities during 2009.   Among these, CSS sponsored two outreach workshops. He mentioned that he had already discussed the first of these, the workshop on "The Impact of Control: Past, Present, and Future" in his report on the activities of the CSS Task Force on Outreach. A second CSS-sponsored workshop was held at the United Arab Emirates University (UAEU) in Al Ain, Abu Dhabi, in November, hosted by Eyad Abed, the VP for Financial Activities. Other workshops are in planning stages, including one in Italy on control in transportation systems and one in South America. Gary Balas is leading these activities, which we expect will come to fruition in 2010 and 2011.

Samad also reiterated some other accomplishments discussed in the Outreach Task Force report, including the new CSS Website, the launching of the Online Lecture Library, and the LinkedIn group.

 Samad finished his report by noting that CSS has initiated the use of a consent agenda for our Board of Governors meetings. This procedure, regularly used by many organizations, allows the CSS to efficiently deal with a large number of "rubber stamp" approvals and to leave time for more strategic discussions.

Report of the of the Vice President, Financial Activities

D. Castañon, Past CSS President, presented a report on Financial Activities during 2009, prepared by E. Abed, VPFA, who was unable to attend the meeting. Castañon indicated that the financial operations of the IEEE Control Systems Society are proceeding smoothly and the Society is in a healthy state financially. The Society's reserves as reported by IEEE are essentially unchanged but this report does not reflect the effect of a recovering stock market; it. Is expected that the net worth of the Society has increased around 22.5%   in 2009, in line with the S&P 500. This estimate puts the society' reserves at around $5.6M. The Society continues to expect a surplus from operations both in 2009 and 2010. This is a result of the Society's financial benefit from the demand for its publications in IEEE Xplore and of well planned and executed conferences. Castañon reminded BoG that IEEE requires annual budget expenses to be no more than 15% of reserves and that at present CSS exceeds this margin by a close to 2 to 1 ratio. Thus the society has resources available to undertake new activities.   Next, Castañon informed BoG that most master services agreements and editorial services agreements have been negotiated. These agreements have mostly been written to be in force for several years, which should give the VPFA more time in the future to work on initiatives for the Society's benefit. Next, Castañon reminded BoG that the "Transition to Practice" Award needs a fund raising effort, since Xerox funds can only be used to provide award for US citizens.

D. Castañon also shared a few recommendations made by E. Abed. Based on his years as VPFA, Abed recommended that in the future all submissions of requests for financial transactions be handled through a web-based system. He also recommended nominal support of an assistant who can process routine items with advice from the VPFA.

D. Castañon finished his presentation by reminding BoG that the Society offers partial travel reimbursement for attendance at BoG meetings in the amount of $500 for domestic travel and $800 for international travel.

Report of the Vice President, Conference Activities

E. Valcher did not address BoG since the conference activities motions were presented in the Consent Agenda, and at the end of the BoG meeting there was no time for some discussion items she planned to propose to the BoG. An overview of current activities, presented to BoG in the Conference Activities Reports, is given below.

Our conference activities appear to be running well, and planning for future conferences is under way. Motions to be approved by the BoG have been prepared regarding the MSC 2011 budget, the Program Chair of the Joint Symposium on CACSD and Systems with Uncertainty under the MSC 2011 umbrella, the CDC 2012 Program Chair, the CDC 2012 venue and dates. A further motion was part of the Consent Agenda at the December BoG meeting, to rescind from the decision, taken at the December 2008 BoG meeting and formalized in a motion, to allow upload with student registration of papers having only students as (co-)authors. Indeed, this motion conflicts with the one approved in June 2009, and regarding, in turn, maximum number of paper uploads per full/reduced registration. Some discussion items were planned to be brought to the BoG attention. They concerned the conference (MSC and CDC) review process, the future of the MSC, the possibility of introducing Call for Conference Proposals in order to collect proposals for venues and General Chairs for the MSCs and the CDCs, and finally 3 day- versus 4 day- CDCs. Unfortunately there was no time to discuss these issues at the BoG meeting. These issues were instead extensively discussed at the Conference Activities meeting that took place during the CDC.

Report of the Vice President, Publications Activities

E. Misawa, VP Publication Activities, was unable to attend the meeting. Roberto Tempo, CSS President Elect, presented a summary of publication related activities. Tempo started by presenting BoG a summary of the activities of the Task Force on the Future of the Transactions on Automatic Control. This Task Force was formed during the ACC in St. Louis and its present members are Panos Antsaklis, John Baillieul, Christos Cassandras, Eduardo Misawa, Pradeep Misra, Roberto Tempo (Chair), M. Vidyasagar, and Steve Yurkovich. The activity of the Task Force was focused on two main topics regarding TAC:

1. Electronic/Hard Copy Distribution: The issues related to this topic are the need to provide permanent electronic TAC papers and the fact that producing and shipping TAC hard copies is expensive The task force made the following recommendations:
   - In 2010 offer six complimentary CDs (one every two months) to all hardcopy subscribers of TAC (6th CD should contain the material of all 12 issues), with no other changes regarding access to IEEE Xplore and hard copy distribution of TAC
   - In 2011 provide the option to receive CD or hard copy of TAC, with the "print-on-demand" options available at the production cost for subscribers who desire to receive hard copy

Tempo noted that the recommendations above led to a motion that was presented at this BoG meeting.

2. Increasing number of submissions. R. Tempo asked C. Cassandras, the TAC Editor-in-Chief to present the findings and recommendations on this topic. Cassandras indicated that in the past few years there has been a substantial increase in the number of Regular Papers and Technical Notes submitted to TAC and that this volume is too large now to handle while maintaining quality. In particular, the original intent of the Technical Notes seems to have been lost, with many submissions being treated as a venue for publishing lower quality results. In order to be able to handle the large volume of submissions and maintain quality, Cassandras indicated that, in consultation with R. Tempo and P. Antsaklis, it was decided that the TAC policy should be revised to clearly state that any TN submission will be examined first by the Editor-in-Chief or a Senior Editor before it is processed. The EIC/SE may return the TN to the authors informing them that it is deemed inappropriate for consideration. and this decision will be final and non-negotiable. Cassandras indicated that the next step is to define the criteria of what is a good potential TN, and to provide very clear guidelines to authors as to what is a "valid" TN.

Report of the Vice President, Membership Activities

S. Hara, VP Membership Activities, presented a report highlighting CSS membership related activities. Hara began his presentation by reviewing membership trends. Hara noted that the total number of IEEE membership has increased by 3.7%. Graduate students membership has increased by 6.5% and regular membership by 5.6%. Regarding the membership by region, the top three regions in terms of the growth rate are Region 10 (Asia & Pacific), Region 8 (Europe, Middle East & Africa), and Region 7 (Canada). The membership trends inside US (Regions 1 through 6) are healthy, with growth in graduate students. However, the number of student members in Regions 7, 8, and 9 (Latin America) has decreased. Regarding CSS, the total membership is slightly up (+3.4%). mostly due to an increase in the higher grade memberships. In comparison with other societies, the growth of 3.4% is better than the total (-1.3%). However, it is less

than the average in Division X (+5.9%). The top three societies in terms of growth in Division X are Systems, Man & Cybernetics (+16.8%), Robotics & Automation (+5.9%), and Computational Intelligence (+5.8%). Hara noted that the related societies in other divisions have the worse records in terms on membership; Circuits & Systems (-4.2%), Communications (-7.3%), and Signal Processing (-1.5%). After reviewing membership trends, Hara discussed some of the CSS programs that support attendance to CSS conferences: Travel Support for Developing Countries (TSDC), Student Travel Support Program (STSP), Free Workshop Registration for Students (FWRS) and Conference Support for Developing Countries (CSDC). Attendance to the 2009 MSC was supported by the TSDC, STSP and CSDC programs, while attendance to the 2009 CCC/CDC was supported by TSDC, STSP and FWRS.

Report of the Vice President, Technical Activities

S. Ge, VP Technical Activities, highlighted some of the technical activities undertaken since the last BoG meeting. Sam indicated that with the approval of the TC on Systems with Uncertainty, chaired by Graziano Chesi, there are a total of 18 Technical Committees. He Also indicated that the Technical Committee on Computer Aided Control Systems Design (CACSD) has been renamed Technical Committee on Computational Aspects of Control Systems Design, and its scope broadened. The renamed committee is chaired by Fabrizio Dabbene. S. Ge also indicated that Energy, Power, Smart Grids and Sustainability are important, timely topics where CSS can play an important role. Presently, the CSS has only on TC in this space, the TC on Energy Processing and Power Systems and a proposal to create a TC on Fusion Plasma was submitted to ExCom this past year. Acting on the advice of ExCom, the proposers decided to combine this proposal with the existing TC. In the future it is envisioned that the CSS should have two TCs occupying the Energy/Power space: A TC on Power Generation and Control, and a TC on Power Distribution and Smart Grids. Sam Ge finished his presentation by reminding BoG of the importance of finding persons interested in initiating TCs in any emerging/ important/ fundamental areas. Following his presentation, S. Ge invited Dragan Nesic, Chair, TC on Nonlinear Systems and Control, and John Baras, CSS representative to the IEEE Systems Council to present a summary of their activities. D. Nesic indicated that the TC on Nonlinear Systems has currently 12 members and it is looking to expand this number. Activities in 2009 included organizing several regional Ph.D. workshops and invited sessions at the 2009 CDC and 2010 ACC and CDC. The committee is also actively engaged in the effort to establish an Australian Control Conference (AUCC), with the initial conference planned for 2011. Nesic finalized his presentation by mentioning that future TC activities include creating a web page and newsletter, expand membership and improve links with other TCs and IFAC.
Next, J. Baras gave a brief summary of activities being undertaken by the Systems Council (CS) that are of interest to the CSS. Baras indicated that one such major activity is the creation of a Systems Engineering Body of Knowledge (BKCASE) and the creation of standardized curricula in SE. The objective is to move towards accreditation of SE graduate curricula. Baras also indicated that he has been elected chair of the Systems Engineering Education Committee of the IEEE SC. This committee is working towards completing the Committee and collecting information on SE courses from all member societies. Baras has also been elected chair of the Systems Engineering Tools Committee of the IEEE SC. This committee is working towards completing the Committee and establishing a database of SE tools together with reputable evaluations and critiques. Baras finished his presentation by mentioning several activities that were proposed and informally agreed upon as contributions from CSS to the IEEE SC. These activities include: (1) Support via paper and session contributions of the IEEE Systems Council; (2) Mutual listing in the corresponding Web Pages of the major Conferences (i.e. IEEE CDC in the web page of the IEEE SC, the IEEE Systems Conference in the IEEE CS web page); and (3) Organization of special invited sessions and tutorial on Systems Engineering in the CSS flagship conference IEEE CDC on an annual basis, as well as in other CSS conferences.

Report of the Chair of the Standing Committee on Awards.

 Ted Djaferis, Chair of the Standing Committee on Awards presented a summary of the 2009 activities and announced the 2009 CSS award recipients:

Distinguished Member Awards: Djaferis recalled that CSS annually confers Distinguished Member Awards to selected CSS members who have made significant technical contributions as well as having provided outstanding long-term service to the Control Systems Society. In 2009, three CSS members were selected to receive Distinguished Member Awards:
- Frank Doyle of the University of California, Santa Barbara, was recognized for his contributions to biosystems analysis and control, biomedical devices, advanced process control, and for his service to CSS as editor-in-chief for the *IEEE Transactions on Control Systems Technology,* 2004 – 2008. Frank currently holds the Mellichamp Chair in Process Control at UC Santa Barbara and is an IEEE Fellow.
- Jay Farrell of the University of California, Riverside, was recognized for contributions to adaptive approximation based control systems, aided navigation systems, autonomous vehicles, and for his service activities that include the following: Vice President of Financial Activities, Vice President of Technical Activities, General Vice-Chair for the 2011 Joint European Control Conference/ IEEE Conference on Decision and Control, and General Chair for the 2012 CDC. Jay is an IEEE Fellow.

- Yutaka Yamamoto of Kyoto University was recognized for his broad contributions to systems and control theory, including sampled-data control and its applications to digital signal processing, and for his service to CSS that includes terms as Vice President for Technical Activities and Vice President for Publication Activities. Yutaka's numerous other distinctions include election to IEEE Fellow and the CSS Axelby Prize.

Outstanding Chapter Award: Djaferis informed BoG that the 2009 Outstanding Chapter Award went to the Bulgaria Control Systems Chapter, represented by Vladimir S. Jotsov, for recognizing its increasing effort in promoting high-quality technical meetings and for dissemination to a large audience. The Vice-President of Member Activities, Shinji Hara, was responsible for this award.

CDC and MSC Best Student Paper Awards: The CDC Best Student-Paper Award recognizes excellence in a paper presented at the IEEE Conference on Decision and Control whose primary author is a student member of the IEEE. There were four student finalists for CDC/CCC 2009: Ravi Teja Sukhavasi, Sergio Daniel Pequito, Kun Deng, and Alireza Tahbaz-Salehi. Djaferis stated that the award winner would be announced at the CSS Awards Ceremony during the CDC conference. [Executive Directors note: The award was given to Kun Deng, University of Illinois at Urbana-Champaign, IL, for the paper "*A Simulation-Based Method for Aggregating Markov Chains* by K. Deng, P. Mehta and S. Meyn," co-authored with Prashant G. Mehta and Sean Meyn.] The MSC Best Student-Paper Award recognizes excellence in a paper presented at the IEEE Multiconference on Systems and Control whose primary author is a student member of the IEEE. There were four student finalists for MSC 2009: Christoffer Sloth, Bernd Schmidt, Karla Kvaternik, and Khalifa Al-Hosani. Karla Kvaternik was selected as the winner of the 2009 MSC Best Student Paper Award.

Outstanding Paper Awards: The 2009 IEEE Control Systems Magazine Outstanding Paper Award was given to J.M. Hilkert, for "Inertially Stabilized Platform Technology, Concepts, and Principles," February 2008, pages 26-46. The 2009 IEEE Transactions on Control Systems Technology Outstanding Paper Award was given to Angeliki Pantazi, Abu Sebastian, Giovanni Cherubini, Mark Lantz, Haralampos Pozidis, Hugo Rothuizen, and Evangelos Eleftheriou, for "Control of MEMS-Based Scanning-Probe Data-Storage Devices," Vol. 15, No. 5, September 2007, pages 824-841. The 2009 George S. Axelby Outstanding Paper Award was given to Antoine Girard and George Pappas for "Approximation Metrics for Discrete and Continuous Systems," IEEE Transactions on Automatic Control, Vol. 52, No. 5, May 2007, pages 782-798.

Technical Achievement Awards: The Control Systems Technology Award recognizes outstanding contributions to control systems technology either in design and implementation, or in project management. The recipients of the 2009 award were Giovanni Cherubini, Evangelos Eleftheriou, Mark Lantz, Reza Moheimani, Angeliki Pantazi, Haralampos Pozidis, Hugo Rothuizen, and Abu Sebastian who were recognized "*for contributions to nanopositioning for MEMS-based storage and other applications.*"
In 2009, CSS initiated a new annual recognition, the Transition to Practice Award. This award recognizes outstanding collaborative scientific interactions between industry or research laboratories and academic communities that transition basic controls and system theory to practical systems for the benefit of society at large**.** Individuals and teams are eligible. The winner of the inaugural CSS Transition to Practice Award was Kameshwar Poolla who was recognized for "*innovative applications of control technologies to semiconductor manufacturing and the impact of the work on industry.*" The Transition to Practice Award comes with an invitation to deliver a plenary lecture at the IEEE Multiconference on Systems and Control, one of the two annual CSS conferences. Kameshwar will be delivering his lecture at the MSC 2010 in Yokohama, Japan, in September 2010.

Individual Prizes: The Antonio Ruberti Young Researcher Prize recognizes distinguished cutting-edge contributions by a young researcher to the theory or application of systems and control. The 2009 Prize was given to João P. Hespanha, University of California, Santa Barbara who was recognized "*for fundamental contributions to adaptive control and to the theory of switched and hybrid systems.*" The Hendrik W. Bode Lecture Prize recognizes distinguished contributions to control systems science or engineering. The recipient delivers a plenary lecture at the CDC, evaluating a significant contribution to control systems science or engineering. The 2009 Award went to Peter Caines, McGill University, Montreal, Canada, who was recognized "*for fundamental contributions in the areas of stochastic, adaptive, large scale and hybrid systems.*" The IEEE Control Systems Field Award is for meritorious achievement in contributions to theory, design, practice, or technique, as evidenced by publications or patents in the areas of control systems science, engineering, or technology. The 2009 recipient was David Q. Mayne, (emeritus) Imperial College London, United Kingdom, "*for contributions to the application of optimization to modern control theory.*"

2009 IEEE Fellows: In 2009 the following individuals were elected fellows as evaluated by the Control Systems Society: **Alessandro Astolfi** "*for contributions to nonlinear control theory and its applications to mechanical, electromechanical and power systems;*" **Panagiotis Christofides** "*for contributions to analysis and control of nonlinear and distributed parameter processes;*" **Aniruddha Datta** "*for contributions to control techniques in cancer genomics;*" **Wassim Haddad** "*for contributions to robust, nonlinear and hybrid control systems;*" **Uwe Helmke** "*for contributions to geometric methods, tracking and estimation in control systems;*" **Tetsuya Iwasaki** "*for contributions to robust control and dynamical systems analysis*;" **Feng Lin** "*for contributions to the theory and application of discrete event systems;*" **George Pappas** "*for contributions to design and analysis of hybrid control systems;*" **Anna Stefanopoulou** "*for*

contributions to control of energy conversion systems;" **Allen Tannenbaum** *"for contributions to robust control and computer vision;"* **Dawn Tilbury** *"for leadership in networked and logic control systems."* The following CSS members were elected Fellows by other IEEE Societies, with the evaluation society indicated in parenthesis: **Gang (Gary) Feng** (CIS), **Gary Yen** (CIS), **Juan Martin-Sanchez** (IA), **Oleg Wasynczuk** (AES), **Ryuichi Yokoyama** (CIS), **Paolo Fiorini** (RA),**Yun-hui Liu** (RA), and **Sheng Chen** (CIS).

Djaferis finalized his presentation by reminded BoG that each CSS award is handled by a different subcommittee. In 2009 these subcommittees were chaired by Steve Morse (George S. Axelby Outstanding Paper Award), Richard D. Braatz (IEEE Transactions on Control Systems Technology Outstanding Paper Award), Bonnie H. Ferri (Control Systems Magazine Outstanding Paper Award), Siva Banda (Control Systems Technology Award), Jan Willems (Antonio Ruberti Young Researcher Prize), Faryar Jabbari (CDC Best Student-Paper Award), and L. K. Mestha (MSC Best Student-Paper Award). Djaferis recognized the subcommittee members and chairs for their efforts in 2009.

Adjournment

M. Sznaier reminded the BoG that the next meeting will be held on Tuesday, June 29, 2010, at 1:00 p.m. in Baltimore, Maryland, USA, at the Baltimore Marriott Waterfront.

Samad thanked the members of the Board of Governors and visitors for attending the meeting. The meeting was adjourned at 5:46 PM.

Appendix A.

<p align="center">**Consent Agenda**</p>

<p align="center">**IEEE CSS**
Board of Governors Meeting
December 15, 2009</p>

<p align="center">**2010 Appointment Motions**
Prepared by Roberto Tempo, President-Elect</p>

- *Motion to approve the new Chair and new and continuing Nominating Committee members for 2010*

    Endorsed by: Executive Committee

Nominating Committee

Chair: **Samad, T. (08)**
Members: Antsaklis, P. (08), Basar, T. (10), Castañón, D. (07), Djaferis, T. (08), Middleton, R. (10)
~~Spong, M. (04),~~ **Tempo, R. (09)**

(Strikeout: leaving committee)

- *Motion to approve new and continuing Standing Committee Chairs for 2010*

    Endorsed by: Executive Committee

Standing Committees

Awards	**Djaferis, T. (09)**
Chapter Activities	**Giua, A. (06)**
Conference Operations	**Yurkovich, S. (08)**
Conference Editorial Board	**Astolfi, A. (09)**
Conference Publications	**Misra, P. (07)**
Distinguished Lecturer	**Petersen, I. (04)**
Electronic Information	**Egerstedt, M. (09)**
Fellow Evaluation	**Krstic, M. (08)**
Fellow Nominations	**Lindquist, A. (07)**
History	**Abramovitch, D. (01)**
International Affairs	**Allgöwer, F. (07)**
Long Range Planning	~~**Tempo, R. (09)**~~ **Middleton, R. (10)**
Membership & Public Information	**Lovera, M. (07)**
Outreach Task Force	**Samad, T. (09)**
Standards	**Samad, T. (10)**
Student Activities	**Hirche, S. (09)**

Women in Control   **Zattoni, E. (07)**

- *Motion to approve the new and continuing Technical Committee Chairs for 2010*

    Endorsed by: Executive Committee

Technical Committees

Aerospace Controls	**Buffington, J. (04)**
Automotive Controls	**Borrelli, F. (09)**
Behavioral Systems and Control	**Rapisarda, P. (06)**
Computational Aspects of Control System Design	**~~Henrion, D. (05)~~ Dabbene, F. (10)**
Control Education	**Pasik-Duncan, B. (02)**
Control of Energy Processing and Power Systems	**Roy, S. (06)**
Discrete Event Systems	**Leduc, R. (05)**
Distributed Parameter Systems	**Demetriou, M. (03)**
Hybrid Systems	**Bemporad, A. (02)**
Industrial Process Control	**Braatz, R. (03)**
Intelligent Control	**Moore, K. (09)**
Manufacturing Automation & Robotic Control	**Cortes, J. (09)**
Networks and Communication Systems	**Paschalidis, I. (06)**
Nonlinear Systems and Control	**Nesic, D. (09)**
Systems Biology	**Khammash, M. (05)**
Systems ID and Adaptive Control	**Rivera, D. (07)**
Systems with Uncertainty	**Chesi, G. (09)**
Variable Structure and Sliding Mode Control	**Spurgeon, S. (09)**.

- *Motion to approve the new and continuing Members on IEEE – USA Committees for 2010*

    Endorsed by: Executive Committee

Members on IEEE - USA Committees

Transportation and Aerospace Policy	**Shladover, S. (09)**
Research & Development Policy	**Bielefeld, J. (95)**
Energy Policy	**Thomas, R. (95)**
Medical Technology Policy	**~~Martin, C. (97)~~ Ghosh, B. (10)**
Communication Policy	**Gong, W. B. (02)**
Professional Activities Committee for Engineers	**Herget, C. (01)**

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- *Motion to approve the new and continuing IEEE – Liaison representatives for 2010*

    Endorsed by: Executive Committee

Liaison Representatives

AACC Director	**Samad, T. (2008 & 2009) Middleton, R (10)**

AACC Alternate Director	**Tempo, R. (2009 & 2010)**
EUCA	**Camacho, E. (06)**
IEEE Nanotechnology Council (2)	**Kosut, R. (02), Salapaka, M. (09)**
IEEE Systems Council (2)	**Baras, J. (09), Doyle, F. (10)**
IEEE Press	~~**Misawa, E. (09)**~~ **Cassandras, C. (10)**
IEEE Society on Social Implications of Technology	**Meyer, A. (95)**
IEEE Transactions on Image Processing	~~**Misawa, E. (09)**~~ **Cassandras, C. (10)**
IEEE PAMI Editorial Board	~~**Misawa, E. (09)**~~ **Cassandras, C. (10)**
IEEE Xplore-Enabled Learning Library Initiative	**Hoo, K. (05)**
IEEE TAB Ad-Hoc Committee on Outreach Activities	**Pasik-Duncan, B. (05)**
IEEE Committee on Women in Engineering	**Pasik-Duncan, B. (06)**
IEEE/ACM Trans. Computational Biology & Bioinformatics Steering Committee	~~**Misawa, E. (09)**~~ **Cassandras, C. (10)**
IEEE/ACM Trans. Computational Biology & Bioinformatics AE	**Ghosh, B. (05)**
SIAM/SIAG	**Smith, R. (99)**
SICE (Inst & Control - Japan)	~~**Ohta, Y. (06)**~~ **Imura, J. (10)**
INFORMS	**Paschalidis, I. (08)**
IEEE TAB Magazine Committee	**Bernstein, D. (04)**
IEEE TAB Newsletters Committee	**Egerstedt, M. (09)**
IEEE TAB Transactions Committee	~~**Cassandras, C. (04)**~~ **Antsaklis, P. (10)**

- *Motion to approve the new and continuing Awards Subcommittee Chairs for 2010*

    Endorsed by: Executive Committee

Awards Subcommittees

Antonio Ruberti Young Researcher Prize	**Willems, J. (06)**
Control Systems Technology Award	**Banda, S. (05)**
Transition to Practice Award	**Mestha, L.K. (10)**
George Axelby Outstanding Paper Award	**Morse, S. (07)**
TCST Outstanding Paper Award	**Braatz, R. (09)**
CSM Outstanding Paper Award	**Ferri, B. H. (07)**
CDC Best Student-Paper Award	**Jabbari, F. (08)**
MSC Best Student-Paper Award	~~**Mestha, L.K. (02)**~~ **Dixon, W. (10)**

- *Motion to approve the new and continuing Associate Editors for the Transactions on Control Systems Technology*

    Endorsed by: Executive Committee

IEEE Transactions on Control Systems Technology
Editor-in-Chief   **Parisini, T. (09)**

Tech Assoc Editors

Alessandri, A. (09)	**Bestaoui, Y (08)**	**Caccavale, C. (07)**
Basile, F. (09)	**Bohn, C. (06)**	**Chowdhury, F. (07)**

Christen, U. (08)	**Kazantzis, N. (08)**	**Rajamani, R. (04)**
Corradini, M. L. (05)	**Lagoa, C. (09)**	**Rivera, D. (04)**
Cuzzola, F. (08)	**Landers, R. (06)**	**Roepke, K (08)**
~~**de Jager, B. (03)**~~	**Lee, J. (05)**	**Saab, S. (05)**
de Mathelin, M. (04)	**Liu, S. (08)**	**Savaresi, S. (09)**
Dessaint, L. (08)	**Loria, A. (09)**	**Stewart, G. (05)**
~~**Devasia, S. (03)**~~	**Lovera, M. (06)**	**Su, C.-Y. (04)**
~~**Feliachi, A. (08)**~~	**Mattei, M. (07)**	**Varigonda, S. (09)**
Fialho, I.(05)	**Meckl, P. (06)**	**Vasca, F. (08)**
Gao, Z. (09)	**Mesbahi, M. (08)**	**Villani, L. (05)**
Giua, A. (06)	**Moheimani, R. (04)**	**Wang, Z. (05)**
Guo, G. (05)	~~**Mosterman, P. (03)**~~	**Wu, N.(09)**
Hadjicostis, C. (08)	**Natale, C. (09)**	**Xie, L. (09)**
~~**Hiskens, I. (07)**~~	**Prandini, M. (09)**	**Young, R. (08)**
Hovakimyan, N. (06)	**Rabbath, C. (05)**	**Zhang, T. (06**
Jamsa-Jounela, S.-L. (05)	~~**Raisch, J. (06)**~~	

New Appointments:

Prof. YangQuan Chen, Utah State University, USA
Prof. Claudio De Persis, La Sapienza University of Rome, Italy
Prof. Nael H. El-Farra, University of California, Davis, USA
Prof. Masayuki Fujita, Tokyo Institute of Technology, Japan
Prof. Martin Guay, Queen's University, Kingston, Canada
Prof. Bin Jiang, Nanjing University of Aeronautics and Astronautics, China
Dr. Jae Lew, Eaton Innovation Center, USA
Prof. Derong Liu, University of Illinois at Chicago, USA
Dr. Jianbo Lu, Ford Motor Company, USA
Prof. Kristin Pettersen, Norwegian University of Science and Technology
Prof. Andrea Serrani, Ohio State University, USA
Dr. Sophie Tarbouriech, LAAS-CNRS, Toulouse, France
Prof. Miloš Žefran, University of Illinois at Chicago, USA

- *Motion to approve the new and continuing Associate & Corresponding Editors for the Control Systems Magazine*

    Endorsed by: Executive Committee

Control Systems Magazine

Editor in Chief Dennis Bernstein

Co-Associate Editor for Book Reviews	**Polis, M. P. (07)**
Co-Associate Editor for Book Reviews	**Lin, Z. (08)**
Corr. Editor (N & S America)	**Vincent, T. (06)**
Corr. Editor (Europe & Africa)	**Lovera, M. (09)**
Corr. Editor (Asia & Australia)	**Al Mamun, A. (09)**
Corr. Editor (Conference Activities)	**Watkins, J. M. (08)**
Associate Editor (History)	**Lundberg, K. (04)**
Associate Editor (Education)	**Leonessa, A. (06)**

Associate Editors

Axelrad, P. (08)

Braatz, R. (10)	Gollee, H. (05)	Knospe, C. (03)
Cofer, D. (06)	How, J. (09)	Peck, M. (10)
Davison, D. (10)	Iglesias, P. (04)	Swevers, J. (04)
Del Re, L. (09)	Johnson, K. (08)	Tsiotras, P. (03)
Ferrari, S. (08)	Khanbaghi, M.(09)	Wen, C. (09)
Fierro, R. (08)	Klavins, E. (08)	Watkins, J.M. (08)

- ***Motion to approve the new and continuing Senior Editors and continuing Associate Editors for the IEEE Transactions on Automatic Control (2010 Tech Assoc Editors were approved at ACC)***

  Endorsed by: Executive Committee

IEEE Transactions on Automatic Control

Editor-in-Chief   ~~Cassandras, C. (98)~~   **Antsaklis, P. (10)**

Senior Editors
Chong, E. (09)
Colaneri, P. (10)
Grizzle, J. (09)
Krstic, M. (09)
~~**Middleton, R. (09)**~~   **Yamamoto, Y. (10)**
Spall, J. (09)

Tech Assoc Editors

~~Angeli, D. (06)~~	Dabbene, F. (09)	Johansson, K. (08)	Qu, Z. (08)
Arzelier, D. (09)	Egerstedt, M. (08)	Liberzon, D. (08)	Reveliotis, S. (09)
~~Astolfi, A. (05)~~	Fabre, E. (08)	Loria, A. (07)	Shi, P. (08)
Braatz, R. (08)	~~Feng, G. (07)~~	Low, S. (10)	Szepesvari, C. (09)
Braslavsky, J. (10)	Ferrara, A. (07)	Marchand, H. (10)	Tsiotras, P. (09)
~~Celikovsky, S. (06)~~	Fujioka, H. (09)	Marconi, L. (10)	Wang, Z. (08
Chen, C.-H, (08)	Hong, Y. (10)	Mascolo, S. (08)	Weyer, E. (10)
Chen, X. (09)	~~Haar, S. (06)~~	Morris, K. (08)	Winkin, J. (09)
Chiuso, A. (10)	Ishii, H. (09)	~~Ninness, B. (07)~~	Wu, F. (08)
~~Colaneri, P. (09)~~	Ito, H. (08)	~~Paschalidis, I. (06)~~	Zhang, H. (10)
Cortes, J. (10)	James, M. (10)	Prandini, M. (09)	~~Zhang, J.-F. (07)~~
			Zhou, T. (08)

Conference Related Motions
Prepared by E. Valcher, Vice-President, Conference Activities

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- ***Motion to approve the MSC 2011 preliminary budget***

  Endorsed by: Executive Committee

Background information: the MSC 2011 conference will take place in Denver, Colorado, on September 28-30, 2011. The conference General Chair is Kimon Valavanis. The conference will consist of three subconferences: the Conference on Control Applications

(CCA), the International Symposium on Intelligent Control (ISIC) and the new Joint Symposium on CACSD and Systems with Uncertainty (CACSD). The Program Chairs for the first two subconferences have been appointed at the June 2009 BoG meeting.

The preliminary budget was sent ahead of time.

- *Motion to approve Graziano Chesi as Program Chair of the joint Symposium on CACSD and Systems with Uncertainty within the MSC 2011*

  Endorsed by: Executive Committee

Background information: at the June 2009 BoG meeting, the new Joint Symposium on CACSD and Systems with Uncertainty (CACSD) under the umbrella of the MSC 2011 was approved. In addition, a new CSS Technical Committee on Systems with Uncertainty was created, and Graziano Chesi appointed as its Chair.

- *Motion to approve Maui, Hawaii, as venue and December 11-14, 2012, as dates of CDC 2012.*

  Endorsed by: Executive Committee

- *Motion to approve August 26-28, 2013 (Mon-Wed), as MSC 2013 dates*

  Endorsed by: Executive Committee

Background Information: At the BoG meeting in Cancun, Mexico, in December 2008, Mathukumalli Vidyasagar was approved as MSC 2013 General Chair. At the same meeting, Pradeep Misra was appointed as Vice General Chair of the conference and Hyderabad, India, was selected as venue. The choice of the conference dates has been influenced by weather concerns (at that time of the year the monsoon should have set, making the weather cool and pleasant), but also by the idea that University classes in the USA start in September, and hence postponing it would probably reduce the number of the attendees.

- *Motion to rule out the motion about upload with student registration approved at the December 2008 BoG meeting*

Background information: At the June 2009 BoG meeting, the following motion was approved:

"To approve new registration fee rules for CDC and MSC such that a regular registration by an Author will allow the Author to upload up to 3 of the accepted papers the Author has (co)authored and a reduced registration will allow the author to upload 1 paper. The same Author can upload additional accepted papers for a paper upload fee of 200 US dollars per paper. "

This motion conflicts with the following motion, approved in December 2008:

"A student registration may be used to upload a paper to a CSS conference when all of the co-authors of the papers are students. A maximum of two papers may be uploaded by the same student registration. "

It must be said that the June 2009 motion could be considered as the final decision about the conference registration policies, and hence it could be assumed that it automatically rules out all previous registration fee policies. In fact, the BoG is explicitly requested to discuss this just for the sake of clarity. It must also be remarked that the December 2008 motion exhibits implementation problems: it cannot be automatically implemented on paperplaza, as the check of co-authors student status must be done manually.

So, it is hereby proposed to rule out the December 2008 motion.