



FALL 2006

The International Division Newsletter

INTERNATIONAL DIVISION OFFICERS

CHAIR

Russel Jones
RCJonesPE@aol.com

VICE-CHAIR/CHAIR-ELECT

Kurt Paterson
paterson@mtu.edu

PROGRAM CHAIR

Nick Safai
Nick.Safai@slcc.edu

SECRETARY/TREASURER

Maria Larrondo Petrie
maria@cse.fau.edu

NEWSLETTER

Gerry Johnson
gerry@ntuf.org

PAST CHAIR

Muthar al-Ubaidi
muthar.al-ubaidi@uc.edu

WEB SITE

[http://www.asee.org/activities/
divisions/index.cfm#International](http://www.asee.org/activities/divisions/index.cfm#International)

From the Division Chair

As reflected in the minutes from the annual meeting of the International Division in June, printed elsewhere in this newsletter, the Division had a great year in 2005-06, and a great program at the 2006 ASEE Annual Meeting. My thanks to the officers and the many members who contributed to enhancing our activities during that time.

We now are building upon the momentum developed during the past year, starting with the call for nominations for new officers and International Division awards printed elsewhere in this newsletter.

For the 2006 Annual Meeting program we experimented with several sessions organized on timely topics by invited moderators. In each case, the invited moderators stimulated several papers on their topic – which were submitted and reviewed in the regular ASEE process – and then wove them into interesting sessions. The results were quite positive, with about half of the 2006 sessions organized that way. The other half of the program was done in the more traditional way, with individually submitted papers with similar topics grouped into sessions. We plan a similar approach for 2007, with half of our sessions organized as coherently planned groups of papers. I hereby invite any Division member who would like to organize a coherent session for the 2007 annual meeting program to do so by stimulating four to six papers on a topic, having them each submitted in the regular process, then advising Nick Safai of the intent of having them placed in one session with the initiator as moderator. Please feel free to contact Nick or me for any guidance needed.

At the 2006 annual meeting, Georgia Tech provided the funds to host the International Division Reception. The event was of high caliber, thanks to that support. We are now seeking similar support for the Reception at the 2007 annual meeting. If you are interested in having your institution sponsor the International Division Luau in Hawaii, please contact me. Cost is about \$5000.

If you have any item that you would like to see published in this Newsletter, please e-mail it to the Newsletter Editor, Gerry Johnson, at gerry@ntuf.org.

I hope to see each of you in Honolulu next June.

Russ Jones

**ASEE Annual Conference
International Division Business Meeting**

June 19, 2006
Chicago, IL

Attendees:

Russel C. Jones	Sharon Ruff	Sarah Rajala	Melany M. Ciampi
Nick M. Safai	Jean Landa Pytel	Maria Larrondo Petrie	Ronald Kane
Gerry Johnson	Debbie Gulick	Zenaida Otero Gephardt	Jerry Yeargan
Krishna Vedula	Kurt Paterson	Devdas Pai	Barbara Waugh
Urs Glauser	Brian Koehler	Bill Jordan	Bethany Oberst
John Grandin	Suzanne Scott	Amanda Bougades	Jenny Oliver
Rosalyn S. Hobson	Jan Helge Bøhn	Claudio da Rocha Brito	

Minutes:

- The meeting was opened at 10:30 a.m. with welcoming remarks from the Chair of the International Division, Dr. Russel Jones, followed by self-introductions of all attendees.
- The Chair described the improved programming of the International Division sessions at the current annual meeting, focused on internationally-related topics. The program included several sessions organized by invited moderators. The Division also nominated one of the Distinguished Speakers, Claudio Bori, President of SEFI. Division Program Chair Nick Safai was recognized and thanked for his effort in developing the program.
- The new International Division by-laws, revised by newly elected Secretary-Treasurer Dr. Maria Larrondo Petrie and voted on by the Division membership, were approved by the ASEE Board. Dr. Petrie also reported that as of 6/30/2006 the division had \$13,480 in the BASS Account and \$270 in its Operating Account.
- The International Division Reception this year is being sponsored by Georgia Tech. Chairman Jones expressed thanks for that support. The division is looking for a sponsor for next year.
- The following division Awards will be presented at the 2006 International Division Reception:
 - o Global Engineering & Engineering Technology Award: John M. Grandin (U of Rhode Island) and Stephen E. Silliman (U of Notre Dame)
 - o Best Paper Award: “Challenges in Curriculum Adaptation Across Institutions of Higher Education: International and National Student Transfer”, Cynthia Furse (U. of Utah), Nick Safai (Salt Lake Comm. College), Nick Cotter (U of Utah), Lee Berinto, (Salt Lake Community College) and Roland Kempter (U of Utah)
 - o Service Award: Nick Safai (Salt Lake Community College)
- The Chair noted that one year ago the International Division was placed on probation by the ASEE Board. Jones was elected Chair at the Division’s 2005 annual meeting to address the issues of concern to the Board. At midyear, after elections were held and the bylaws were updated, the Division was taken off probation.
- PIC IV Chair, Dr. Sarah Rajala visited the meeting. She explained that there are 5 Professional Interest

Councils (PICs) in ASEE and this division belongs to PIC IV. She reported that she was happy with the division's progress over the past year. Dr. Mary R. Anderson-Rowland is the newly elected PIC IV Chair.

- Dr. Barbara Waugh of Hewlett-Packard emphasized the importance of sending out a Call for Papers. Dr. Jones noted this was done last year.
- Dr. Jean Landa Pytel of Penn State noted the importance and need to open up participation in the division.
- Dr. Jan Helge Bøhn of Virginia Tech asked that the division develop a clear mission and focus on how to prepare U.S. students to be global engineers. Dr. Kurt Paterson of Michigan Tech added that a clear vision is also needed. Dr. Ronald Kane of New Jersey Institute of Technology asked if the division had purpose statements. Dr. Jerry Yeargan of U of Arkansas noted that the division should have a dual focus: educate internationally what is going on within the U.S. and educate within the U.S. what is going on internationally. Dr. Jones assigned Division Vice-Chair Dr. Kurt Paterson to draft a mission statement for the Division.
- Dr. Urs Glauser of Zürcher Hochschule – Winterthur suggested a panel be organized for next year on the topic of Engineering in the Flat World
- Dr. Debbie Gulick of Georgia Tech suggested the International Division have close ties with the ASEE Global Colloquium organizers. Dr. Jones explained that the Colloquium series programs consist of 100% invited speakers, and that the separate International Committee oversees the planning of that series of international conferences. The 2006 Colloquium in Rio will have 3 tracks: K-12, Engineering for the Americas, and Preparing for International Practice.
- Dr. Glauser noted that the ASEE was providing leadership in forming an International Federation of Engineering Education Societies (IFEES). Dr. Jones noted that Dr. Hans Hoyer, the new ASEE Director of International Activities is charged with assisting in the organizing of IFEES.
- Dr. John Grandin of U of Rhode Island announced that the next International Colloquium on International Education, which ASEE is endorsing, will be held in Rhode Island, and invited participation by those present.
- Dr. Suzanne Scott of The Petroleum Institute commented that a goal of engineering education should be international understanding, and that there is a need for cultural education in general.
- Suggestions were made for possible program sessions at the next annual meeting:
 - o *Entrepreneurship training for engineering students*
 - o *Engineering education for a flat world*
 - o *Preparing engineering students for international practice (reprise)*
 - o *Gathering Storm follow-ups*
 - o *International/cultural understanding*
 - o *Women in engineering*
 - o *Engineering education in developing countries*
 - o *International service learning*
 - o *Exposing engineering students to other cultures*
 - o *Best practices, models for engineering education internationally*

- o *Graduate students from overseas*
 - o *Socratic discussion on international engineering education*
 - o *MOU collaborations*
 - o *Definition of a global engineer*
 - o *Ethics in international engineering*
 - o *Needs of multinational companies*
 - o *Engineering education in sub-Saharan Africa*
 - o *Engineering education in China today*
 - o *Engineering education in India today*
 - o *Workshops on international engineering education issues*
- Dr. Zenaida Otero Gephardt of Rowan University suggested minimum standards for a Global Engineer need to be established.
 - Dr. Krishna Vedula of U Mass.-Lowell suggested this division collaborate with other ASEE divisions for programs and workshops.
 - Dr. Gerry Johnson of Colorado State University recommended networking and collaborating with other international groups. He recommended that division members might want to become members of the European Society for Engineering Education (SEFI).
 - The meeting was adjourned at 12:30 p.m.

Minutes submitted by Maria M. Larrondo Petrie (Secretary/Treasurer)

Lead ASEE's most exciting division! The International Education Division is seeking nominations for two officers:

- 1.) **Vice-Chair/Chair-Elect – this person assists the chair in Division administration and leadership. The Vice-Chair/Chair-Elect becomes Division Chair after the current Chair's term expires.**
- 2.) **Secretary/Treasurer – this person assists the Division in all financial transactions and record keeping.**

Elected officers will assume their tenure immediately following the June 2007 ASEE national conference. Please email your nominations (name, current position, one paragraph bio, contact info) by November 1, 2006 to Prof. Kurt Paterson, Chair-Elect, ASEE International Education Division: paterson@mtu.edu (self-nominations are acceptable).

Also, if you would like to nominate anyone for an International Division Award, again please contact Kurt Paterson.

The International Division should be the largest division within ASEE but currently has fewer than 500 members out of nearly 14,000 ASEE members. Please ask your friends to join. The dues are only \$5/year.

From the Newsletter Editor

A little history - In 1951, the Supreme Commander of the Allied Powers in Tokyo invited ASEE to send a mission to Japan to meet with engineers, engineering educators, and industrialists. This mission, headed by H. L. Hazen, Chairman of the Department of Electrical Engineering at M.I.T., involved fifteen members and lasted seven weeks. Members met with more than 1,000 Japanese at an Institute for Engineering Education, which had been set up to implement the work of the mission. The relationship thus initiated with colleagues in Japan continues to this day, the most recent evidence being a joint meeting of ASEE and JSEE held in July, 1973, in Washington, D. C. A similar exchange visit to Russia took place in November 1958, sponsored jointly with N.S.F. and E.C.P.D. Eight U.S. engineering educators toured Russian Schools and five Russians returned the visit the following January and February.

At the General Council meeting of June 1955, two former committees of the ECAC - the Foreign Operations Administration Committee and the International Relations Committee - were combined into one under the latter title with H. W. Bibber of Union College as chairman. It was announced that the Committee's main project for the year would be "a study on how the sister university" contracts between foreign universities and selected U.S. universities were operating. To that end, a program was arranged for the Annual Meeting at Ames, Iowa, the following years.

At the June 1960, Executive Board and General Council meetings, it was decided on the recommendation of the ECAC that its Committee on International Relations should become Society-wide. Thus, the International Engineering Education Committee came into being. Merl Baker, then Director of the Kentucky Research Foundation at Lexington, became its first chairman. It first turned its attention to the large number of foreign students in the U.S. and "it was voted by the General Council that the Committee appoint a small group to find out what really is being done in our colleges of engineering to adapt programs to the student's needs in his native country"

During succeeding years, the internationalists of this Committee moved ahead on a number of projects. At the Annual Conference in Philadelphia in 1963, the Committee sponsored a long session with representatives from the U.S. government and international agency recruiters of engineering teaching personnel. The discussion there confirmed the need for a mechanism to identify faculty with experience or potential interest in international service and to make their names readily accessible to recruiters. The Committee set about developing a clearinghouse for members which contained, eventually, information on 679 people and 29 overseas projects. However, the Society was never able to arrange funding sufficient for the operation to function at the hoped-for level. In this venture, as is so often the case, a few dedicated individuals worked to meet a perceived need regardless of the lack of adequate financing. Maurice Albertson of Colorado State University continued to develop the roster as a Committee Service. In 1966, the Committee negotiated an agreement with Education and World Affairs for its branch, Overseas Educational Services, to enlarge and maintain the roster and serve the clearinghouse function. Experience with this arrangement, alas, was not satisfactory. A large effort was made to build up the roster of names, but it was not put into a machine retrieval system as had been planned.

Concurrent with the effort to set up the roster came the founding of the International Engineering Education Newsletter. Volume 1, No. 1, appeared in June of 1963. Credit for this enterprise, again, belongs to Maurice Albertson. The Newsletter was started at Colorado State University with Richard Shen - later Director of the Institute of Technology at Ipo, Malaysia - as its first editor. Financed originally by the Board of Directors, it was designed to keep all interested members of ASEE abreast of activities in technical assistance and engineering education abroad. It continues to have a circulation to about 1400 individuals, industries, foundations, and international organizations, with a distribution list revised annually.

While the Newsletter fulfilled the need for informing members of coming international events, reporting Committee activities, and exchanging experiences through short articles, many in the Committee and the Society felt a need for a high quality journal addressing the role of technology in promoting economic and social development and carrying refereed articles of greater length. The International Division launched such a new journal - TECHNOS.

The International Engineering Education Committee became the **International Division of ASEE in 1970.**

(the above is reprinted from a paper by M. R. Barry entitled "The International Dimension of the American Society for Engineering Education," published in *Educating Engineers for World Development*, Proceedings of a World Congress, June 10-12, 1975, ASEE, Estes Park, Colorado)

Gerry Johnson

2006 International Division Awards

At the International Division Reception, hosted by Georgia Tech, on Tuesday evening, June 20, Russ Jones presented four International Division awards. The first two were Global Engineering and Technology Awards. The first was awarded to Stephen Silliman, University of Notre Dame; and the second to John Grandin, University of Rhode Island. The International Division Best Paper Award went to Roland Kempter, University of Utah. The other four co-authors were Cynthia Furse, University of Utah; Nick Safai, Salt Lake Community College; Nick Cotter, University of Utah; and Lee Berinto, Salt Lake Community College. The paper is entitled "Challenges in Curriculum Adaptation Across Institutions of Higher Education: International and National Student Transfer," and is included in the Proceedings of the 2006 ASEE Annual Conference. The final award, the International Division Service Award, went to Nick Safai, Salt Lake Community College.

Russ Jones also announce that Nick Safai was re-elected as Program Chair of the International Division and Gerry Johnson was elected the Newsletter Editor.



R. Jones & S. Silliman



R. Jones & J. Grandin



R. Jones & R. Kempter



R. Jones & N. Safai

All photographs courtesy of Kurt Paterson

ANNOUNCEMENTS

Mark your calendar

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|--------------------------------|--|
| October 9 - 11, 2006 | 5 th Annual ASEE Global Colloquium on Engineering Education, Rio de Janeiro, Brazil |
| October 28 - November 1, 2006 | IEEE/ASEE Frontiers in Education Conference, San Diego, CA |
| June 24 - 27, 2007 | 114 th Annual ASEE Conference and Exhibition, Honolulu, Hawaii |
| September 29 - October 4, 2007 | 6 th Annual ASEE Global Colloquium on Engineering Education, Istanbul, Turkey |
| June 22 - 25, 2008 | 115 th Annual ASEE Conference and Exhibition, Pittsburgh, PA |