

*International Network for Engineering Education and Research*  
***(iNEER)***  
*General Secretariat*

## **iNEER REPORT FOR 2008**

**General Secretariat**

iNEER  
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<http://www.ineer.org>

September 1, 2009

## 2008 iNEER ANNUAL REPORT

### A. Introduction

This report provides a summary of the activities of the iNEER Network, as reflected in the work associated with the iNEER Secretariat in Year 2008.

### B. Doctorem Honoris Causa Award from the U. of Pecs for Secretary-Genera, March 2008

In March, 2008, Win Aung was invited by Professor Gabriel Robert, the Rector of the University of Pecs in Pecs, Hungary, to a very special ceremony. The occasion was the award of the Doctorem Honoris Causa (the Honorary Doctorate degree, that is, "Dr.h.c." that is customarily attached to the end of the name of an awardee, just like the "Ph.D." is) for Win Aung for his accomplishments in engineering research and education. He was told that the University of Pecs, a 700-year university that is one of the oldest in Europe and the biggest in Hungary with 50,000 students, rarely gives out the Dr.h.c. award. Last year, the recipient was Jose Carreras, the renown tenor. During a memorabole one week in Hungary, Win Aung, accompanied by Annie Aung, expereinced pomp and circumstances like nothing they had seen before, especially by the kindness and generosity of the hosts.



### C. Innovations 2008, August 2008

This volume is the 8<sup>th</sup> in the iNEER Innovations Series. Entitled: *Innovations 2008: World Innovations in Engineering Education and Research*, this hardbound book had 650 pages with 52

chapters. Major themes include impact of globalization; innovations in curriculum, teaching and learning; e-learning; and education integration and quality assurance.

The principal objective of the series is to promote information sharing to enable further progress through international collaboration. The articles in this book continue to develop many of the diverse subjects and concerns of topics selected for study in the recent books in the series and, in many cases, show the convergence of the solution approaches adopted. The chapters focus on teaching and learning and topics include the use of assessment methodologies in reforming engineering education, the integration of research with education, and the concern for producing engineers who will remain productive and relevant a dozen years from now. The multi-faceted topics addressed and solutions being adopted are briefly summarized below in the sequence in which the chapters appear.

The Board of Editors consists of the following:

**Win Aung**

*International Network for Engineering Education  
and Research, Potomac, MD, USA*

**Josef Mecsí**

*University of Pécs  
Pécs, Hungary*

**Jerzy Moscinski**

*Silesian University of Technology  
Gliwice, Poland*

**Ian Rouse**

*Victoria University  
Melbourne, Australia*

**Peter Willmot**

*Loughborough University  
Loughborough, UK*

**D. ICEE-2008, Pecs-Budapest, Hungary, August 2008**

The 2008 International Conference on Engineering Education (ICEE), organized jointly by the Budapest University of Technology and Economic and the University of Pecs, during July 28-31 in the cities of Budapest and Pecs. There were almost 500 participants from over 50 countries, all there for the purpose of furthering the frontiers of engineering education through international cooperation. In today's globalized economy, it is important that faculty and students acquire a global perspective, and develop an appreciation for cultural differences in order to be effective as future engineers. ICEE-2008, like other ICEE and iCEER conferences, provides a unique platform for faculty and students alike to learn and share experiences with their counterparts from other countries.

The conference was organized under the leadership of Prof. Josef Mecsi, Fean of the Pollack Mihaly College of Engineering, University of

Besides attending the technical sessions and listenng to lectures, attendees sampled exquisite white wine in the wine country in southern Hungary and marveled at their excellent cuisines. Many believe that one has not tasted real Hungarian Goulash until one visits Hungary. Visitors experience hospitality from friendly people everywhere in Hungary. The touristic spots, the culture, the history, the people, the places of religious significance were simply unforgettable.

A report posted on the University of Pecs provides an account of the conference; it is pasted in Appendix A.

#### **E. Planning Meeting for ICEE-iCEER 2009, November 10-12, 2008, Seoul, Korea**

Per agreement between the iNEER Board and the presidents of Hanyang University and the Korea University of Technology and Education, there was to be only one iNEER conference in 2009 and it would be a joint ICEE and iCEER conference. It was being organized jointly by Hanyang University, Korea, and the Korean Society of Engineering Education. The conference website: <http://iceeiceer2009korea.net/main.html>.

A planning meeting was held in Seoul, Korea in November 10-12, 2008. The iNEER Secretariat was invited to attend. The iNEER delegation composed of Win Aung, iNEER Secretary-General, and Annie Aung, Administrative Assistant During the meeting, they met with leaders of the organizing committee and their conference technical experts. Details about conference technical cultural programs, finances, and technical tours were reviewed. Members of the organizing committee were working hard and conference appeared to be shaping up nicely. There was excellent prospect for it to live up to the always high expectations of participants for iNEER conferences. Other than Taiwan and Australia, the 2009 conference in Seoul would be only the third country that iNEER will be sponsoring a conference in the Asia-Pacific region for iNEER, a global network of 36,000 members spread across 98 country.

Professor Kwang-Sun Kim, the Dean of Graduate Studies at Korean University of Technology and Education and a Director of the Korean Society of Engineering Education, is the general co-chair of ICEE-iCEER 2009. He will be visiting the U.S. on January 15-18, 2009 and will be a guest at the iNEER Secretariat at the corporate headquarters of iNEER in Potomac, Maryland, USA..



**F. Keynote Speech at Korean Society of Engineering Education (KSEE) Annual Conference**

The Secretariat was invited to attend the annual conference of the Korean Society of Engineering Education (KSEE) held in Jeju Island in the southern part of Korea, where Win Aung gave two talks, including a keynote presentation in plenary session.

The papers at the conference show a lot of similarity in interest between the iNEER community and KSEE members. The Korean economy is heavily dependent on exports and daily reports in the press continue to focus on the current global economic crisis. Still, engineering educators in Korea appeared confident about their mission and the important work ahead in channeling international cooperation to further advance the frontiers of engineering education.

To see a collage of selected photos taken during the trip to Korea, please visit (click or copy URL and paste on your browser address box):

[http://www.ineer.org/Events/ICEE\\_iCEER-2009Info/2008-12-05\\_Scenes-from-Planning-Meeting-November-2008.pdf](http://www.ineer.org/Events/ICEE_iCEER-2009Info/2008-12-05_Scenes-from-Planning-Meeting-November-2008.pdf)

Professor Kwang-Sun Kim, the Dean of Graduate Studies at Korean University of Technology

and Education and a Director of the Korean Society of Engineering Education, is the general co-chair of ICEE-iCEER 2009. He will be visiting the U.S. on January 15-18, 2009 and will be a guest at at Win Aung's residence in Potomac, Maryland, which is also the corporate headquarters of iNEER.



#### **G. Visit to University of Computer Studies, Myanmar (Burma), November 2008**

After attending the planning meeting and KSEE conference in Korea, the iNEER delegation visited the University of Computer Studies (UCS). There Win Aung met with Dr. Ni Lar Thein, Rector of the University. Win Aung had met Dr. Ni Lar Thein earlier in 2005 during the Third Conference on Computer Applications held at the Sedona Hotel in Yangon. At that time, the Rector of the University was Dr. Pike Tin, now retired. In 2005, Dr. Pike Tin expressed a desire to bring the iNEER community to Myanmar by hosting an iNEER conference.

During their meeting on November 20, 2008, Dr. Ni Lar Thein reiterated her interest to host a conference.

The UCS in Yangon has over 10,000 undergraduate and graduate students. Interestingly, the female-male split in the student body at UCS is 80:20. In many other parts of the world, the split is quite different, and I have heard that in the U.S. it is 20:80. Nowadays, many universities around the world are trying to attract more female students to studies engineering, and the success of UCS in attracting many female students is worthy of note.



## **H. Financial Report**

The 2008 financial statement and the auditor's report for iNEER were submitted by Mr. Wang Neng-Hsiang in May 2008. The statement and report were reviewed and approved by the iNEER Finance Committee at its meeting held in Pecs, Hungary on July 27, 2008. The complete report and financial statement are on file and available upon request. Scanned copies of selected pages are attached in Appendix B.

Respectfully Submitted,

Win Aung, Ph.D., P.E., Dr.h.c.  
Secretary General  
iNEER

## APPENDIX A

### Report on ICEE-2008 Posted on University of Pécs Website, July 29, 2008

*<http://english.pte.hu/tartalom/249>*

# International Conference on Engineering Education in Pécs!

szerző: Tóth Mariann | 2008. július 29. 09:08:21

The annual International Conference on Engineering Education is held in Hungary this year, Pécs and Budapest host the important event. Besides professional information exchange we at the University of Pécs hope to make place for new fellowship and professional cooperations to arise.

Dr. Róbert Gábrriel, the rector of the University of Pécs opened the Conference on 28th July. Prof. József Mecci, the dean of the Pollack Mihály Faculty of Engineering remembered in his welcome speech the former dean of the faculty, Dr. János Bársony and committed the event to his memory. Dr. Péter Moson, the dean of the Faculty of Sciences (Budapest University of Technology and Economics) and Dr. Tomas Cermak, the rector of the VSB Technical University (Ostrava) also welcomed the participants of the conference.



Win Aung, who was awarded the honoris causa title of the University of Pécs in March 2008, also held a speech at the opening ceremony. This year 430 outlines of presentations were sent to the organizing committee from 60 countries, the abstracts of the presentations in 14 sections cover altogether 2,100 pages.

This year's Conference opens the door to discussing the common issues of several professional fields, from accreditation proceedings to learning methodology and ideas. This is reflected in the conference theme "**New Challenges in Engineering Education and Research in the 21st Century**". Major topics will include academic teaching and administration, accreditation issues, active and cooperative learning, computer science education, cooperative networks, current trends in engineering and technology education, e-learning, environmental challenges, globalization, government policies, innovations, integrated laboratory instruction, etc. Please visit the [ICEE 2008 website](#) for more information about major topics and to find out more about Pécs and Budapest.





The first location of ICEE 2008 is Pécs, which will be Europe's Cultural Capital in 2010. The city - one of the oldest settlements in Hungary - is full of beautiful architectural and cultural monuments (Turkish bath, Mosque, Roman Crypts, Cathedral, Museums, etc). The University of Pécs was founded in 1367, and it has the most students in number among all the other Hungarian universities. Budapest, the second location, is the capital of the Republic of Hungary and is one of the most beautiful cities in Europe. Lying on the banks of the River Danube, it prides itself on the Budahill Castle, the Citadell, Matthias Church, Parliament Building, St. Stephen's Basilica among others. It is rightly called "The Pearl of the Danube". The Budapest University of Technology and Economics celebrates its 225th Jubilee, the Closing ceremony of which is that of the Conference as well.

We would be highly honoured if we could welcome you to our Universities and Hungary. It is well worth visiting this beautiful country, so we hope you will not miss this opportunity.

## APPENDIX B

### Auditor's Report and Financial Statements

(2 more pages to follow)

**Wang & Associates**  
**Certified Public Accountants (CPAs)**

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606 Seventh Street, S.W.  
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#### REPORT OF THE INDEPENDENT AUDITOR

To the Board of Directors of  
International Network for Engineering Education and Research (iNEER):

We have audited the accompanying balance sheets of International Network of Engineering Education Research (iNEER) as of December 31, 2007 and 2008, and the related statements of income and expenses, cash flows and accompanying receipts for the years then ended. These financial records are the responsibility of the Organization's management. Our responsibility is to express an opinion on these financial statements based on our audits.

We conducted our audits in accordance with generally accepted auditing standards. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used by management, as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of iNEER as of December 31, 2007 and 2008, and the results of its operations and its cash flows for the years then ended, in conformity with generally accepted accounting principles.

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May 15, 2009

**International Network for Engineering Education and Research (iNEER)**  
**Income Statement**

	For the Twelve Months Ending December 31, 2007			For the Twelve Months Ending December 31, 2008		
	MD	NJ	TOTAL	MD	NJ	TOTAL
Revenues						
Income	\$ 371,074.43	\$ -	\$ 371,074.43	\$ 160,584.12	\$ 25,000.00	\$ 185,584.12
Total Revenues	<u>371,074.43</u>	<u>-</u>	<u>371,074.43</u>	<u>160,584.12</u>	<u>25,000.00</u>	<u>185,584.12</u>
Expenditures						
Office Expenditures	21,421.79	-	21,421.79	4,488.99	-	4,488.99
Travel Expenditures	29,451.94	-	29,451.94	15,099.63	-	15,099.63
Other Expenditures	263,271.92	658.67	263,930.59	83,885.27	10,781.25	94,666.52
Meeting-related Expenditures	27,000.05	-	27,000.05	4,935.28	-	4,935.28
Secretariat Expenditures	-	-	-	-	-	-
Total Expenses	<u>341,145.70</u>	<u>658.67</u>	<u>341,804.37</u>	<u>108,409.17</u>	<u>10,781.25</u>	<u>119,190.42</u>
Net Income	<u>\$ 29,928.73</u>	<u>\$ (658.67)</u>	<u>\$ 29,270.06</u>	<u>\$ 52,174.95</u>	<u>\$ 14,218.75</u>	<u>\$ 66,393.70</u>

See Audit Report

NOTES TO FINANCIAL STATEMENTS:

1. **The International Network for Engineering Education and Research, Inc. (iNEER)** is a Maryland-based non-profit organization, which was incorporated on July 16, 2002 as a Maryland corporation. Through collaboration in education and research, the iNEER works with members from both industrialized and developing nations to develop a global network of educators and researchers to help advance education and research around the world, and to achieve mutual progress through international exchanges and linkages, formation of cooperative partnerships, and information sharing to enhance the education experience for students. Membership in iNEER is free of charge
2. A letter dated July 16, 2003 from Internal Revenue Service establishes the following rulings: (1) accounting period ending: December 31; (2) foundation status classification: 509(a)(2); (3) advance ruling periods to begin July 16, 2002; (4) advance ruling period to end December 31, 2006; and (5) addendum not applied. In 2007, the organization has subsequently been certified as a 501(c)(3) tax-exempt organization by the IRS.
3. The Secretariat headquarters are divided between the New Jersey Secretariat, which is located at New Jersey Institute of Technology, Newark, New Jersey, and the Maryland Secretariat, which is located in Potomac, Maryland.
4. A comparative analysis of income and expenditures for two secretariat locations mentioned above for the past two years follows:

	<u>Year ending 12/31/2007</u>		<u>Year ending 12/31/2008</u>	
	<b>MD</b>	<b>NJ</b>	<b>MD</b>	<b>NJ</b>
Revenue	\$371,074	\$ -	\$160,584	\$25,000
Expenditures	<u>341,146</u>	<u>659</u>	<u>108,409</u>	<u>10,781</u>
Net Income	<u>29,928</u>	<u>(659)</u>	<u>52,175</u>	<u>14,219</u>

5. A bank transfer of \$10,000.00 was incorrectly expensed in 2008. The correcting accounting entry will be made in 2009.
6. Although financial activities in both secretariat locations are combined and treated as one activity for financial reporting and audit purposes, it is treated separately for income tax reporting purpose. For tax reporting purpose, iNEER's activities at New Jersey are incorporated into the educational funds of New Jersey Institute of Technology. As to the activities in Maryland secretariat, Form 990 has been prepared and mailed separately to Internal Revenue Service Center, located at Ogden, UT 84201-0027.