



Special points of interest:

- CIEC—Tucson, Arizona January 28-31
- Research Grants Available
- Student of the Year
- Chair's Message

Newsbriefs
 Spring 2003
www.coop.msstate.edu/ced/

COOPERATIVE EDUCATION DIVISION ASEE

Newsbriefs

CED/CEIA Student of the Year

One of the clearest messages that can be sent to industry across the United States and the world is the quality work performance of cooperative engineering education students in their co-op experiences. No better way can be found to inform industry about the value of cooperative engineering education. Simply talking about the value of this hands-on activity pales in comparison to seeing students honing their future skills in the workplace.

Students spending valuable time and effort to learn about and practice within an environment cannot be duplicated in the college or university classroom.

It is with this consideration in mind that there needs to be more focus placed on the outstanding hands-on work being done by students in pursuit of their degrees but also in their placements as the visible reasons why a cooperative engineering education is a vital part of all engineering education.



Kristy M. Petroskey gladly displaying her award of achievement.

Therefore, Kristy M. Petrosky, an industrial engineering senior at the University of Pittsburgh, is the 2002 CEIA/CED Student of the Year.

Kristy was nominated by Maureen Barcic, Director of Co-op Engineering Education at the University of Pittsburgh, and Shelly Hite, Industrial Engineering Manager at Kristy's Co-op employer, Delphi Delco Electronics. Kristy exemplifies the finest Co-op qualities of integrity, enthusiasm and intelligence. With her dedication to work and it is easy to see why Kristy is the 2002 Co-op Student of the Year.

(See page 12 for details)

CIEC Biloxi-Onmy Mind and Onmy Calendar

**ASEE Conference for Industry and Education Collaboration (CIEC)
 Biloxi, Mississippi from February 3-6, 2004
 2004 theme- "Preparing Engineering Leaders for 2020".**

Look for all the details on page 15.

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Chair's Message

Donna Hewett

It was an honor to accept the gavel from Chair, Patty Bazrod, at the 2003 CIEC Conference for Industry and Education (CIEC) in Tuscon. I have participated in this ASEE affiliate organization in various capacities for almost twenty years. Only through the leadership, inspiration, and dedication of CED members have I been able to originate and maintain a strong co-op program at my own university. Along with an outstanding group of Executive Board members, I look forward to challenges and opportunities to serve CED in 2003.

Many thanks are in order for 2002. Patty Bazrod led the executive board through two productive meetings. Under her leadership, we emphasized recognition of exemplary students in the Student of the Year Award. We also initiated an award for faithful and valued employer of cooperative education students. I challenge all of you to follow the energetic example of Maureen Barcic, who nominated the winning student along with the winning employer to be recognized as superior partners in cooperative education. Please see the CED website award page for guidelines on these nominations. Recognition plaques from CED hanging on employer walls may be one of our best PR opportunities.

If you were in Tuscon, I think you will agree that Susan Matney and her team of presenters and conference workers produced one of the best programs for CED in recent memory. These sessions were informative, interactive, and enjoyable. Please assist Joe Stahley in his efforts to follow her act. Joe is already very busy engineering a program for Biloxi in February 2004. The conference theme will be "Preparing Engineering Leaders for 2020".

A big thank you to all of the first-time attendees at CIEC! We hope you were able to feel welcome, learned something of value, and plan to join us and participate next year. More than you need to go to outgoing board members Les Leone, winner of this year's Borman Award, Sandra Graves, Arlene Anderson, and Ray Easterlin. A big welcome to incoming board members: Jay Snellenberger, Cheryl Cates, Joe Stahley, and John Archambault; and to Helen Oloroso who has stepped into the secretary/treasurer position. We still have an industry representative position open. I am waiting to hear a final decision from Bob Musgrove (NASA Johnson Space Center) on filling that roll.

I have given much thought to our 2003 plenary session: "Industry, Government, and Education: It's about Results." Although a very excellent session, nothing was directed to us, the CED members comprising at least 50% of the audience. I think you will agree--we are all about results--not necessarily at the CEO or university presidential level, but on the "one student at a time" level. I would like to challenge the CED membership to contribute to an article for PRISM in 2003 showing the "results" of cooperative education. Give us examples of industry/education collaborations occurring as a direct result of cooperative education. Do you have examples of retention of at-risk students? Examples of gifts or new programs for your college as a result of co-op programs? Have you seen curriculum changes as a direct result of co-op students' experiences? Has ABET 2000 sent department chairs to you as the repository of employer contacts and evaluations? I invite your comments, ideas, and willingness to work on this project. Thank you again for the honor of the 2003-2004 chair's position. I look forward to working for you and with you!

COOPERATIVE EDUCATION DIVISION/ASEE EXECUTIVE BOARD ROSTER 2002 - 2003

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(3 Industry, 3 At-Large, 3 Academic)

Joe Stahley	Stephens Institute of Technology	2004
Steve Bender	Kimberely Clark	2004
Helen Oloroso	Northwestern University	2004
Sue Michaelson	Marquette University	2004
Susan Matney	North Carolina State University	2005
Tom Akins	Georgia Tech	2005
Jay Snellenberger	Rolls Royce	2006
Cheryl Cates	University of Cincinnati	cinnati2006
John Archambault	University of Wisconsin	in2006

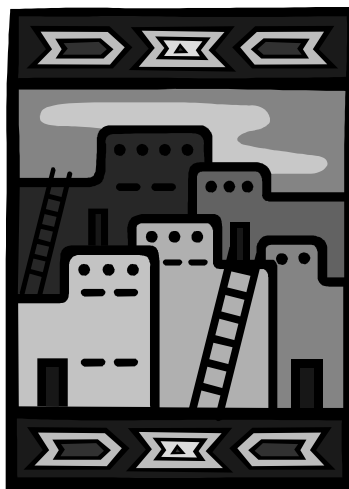
Details from Tucson

CIEC2003

Tucson, Arizona welcomed with warm weather and plenty of sunshine the 300 attendees to the Conference for Industry and Education Collaboration, January 28-31, 2003. The 2003 CIEC Conference theme, "Education-Government-Industry Partnerships: It's About Results" encouraged attendance from all sectors. The Cooperative Education

Division (CED) membership presented research based and practical sessions designed for

newcomers and those with years of experience in the field. Thanks to all presenters, moderators and participants for making each session an opportunity for thoughtful discussion. Once again, CED was the largest ASEE division registered for the conference with 100 attendees.



CIEC—A GREAT SUCCESS!!!!

"Industry-Government-Education Partnerships: It's About Results"

2003 Directory Of Engineering Cooperative Education Programs

- Excellent reference for employers seeking quality cooperative programs.
- Important resource for parents, students and guidance counselors seeking quality cooperative programs. Degree programs detailed through doctoral program.
- Quality bound directory features contact person, locations, institutional characteristics, and size of program in each engineering curricula.

Just complete the information below with payment included (\$50 per copy) and a copy of the directory will be mailed to you. A SAP.

Name/Title _____
 Company/Institution _____
 Address _____
 City, State, Zip _____
 Phone _____ Fax _____
 Email _____
 # of Copies @ \$50 each _____
 Credit Card Type: Visa ___ MasterCard ___ AmEx ___ Exp. Date _____
 Credit Card # _____
 Signature _____

From the Past Chair

COMMITTED VOLUNTEERS working to promote quality cooperative education programs... these are the members of CED who continue to assist in the development and maintenance of engineering cooperative education programs.

A heartfelt thank you to the members of CED for allowing me the opportunity to work with so many talented professionals over this past year serving as CED Chair. As a long time member of CEDI look forward to con-

tinuing the journey.

Whether you are a new professional to cooperative education or a seasoned veteran, **CED NEEDS YOU. GET INVOLVED.** The organization needs your energy, input and creativ-



CED Needs YOU!!!!

ity, as well as, your expertise as we serve the needs of our members and promote cooperative education to universities, employers, students and parents.

I look forward to seeing many of you this summer at the national ASEE meeting in Nashville and again at the 2004 CIEC in Biloxi, MS.

Looking forward to the Spring Thaw-

Patty Bazrod

“Check the website www.coop.msstate.edu/ced/ for information of importance.”

Membership Update

As Chair of the Membership Committee, Bernadette Friedrich was pleased to announce at the CIEC that CED membership had grown to 208 members, which included 18 employers and 190 educators. The challenge was given to all members to talk to both employers and academic institutions and bring more members into CED. The work that is done by CED and the importance of cooperative education on the overall educational system cannot be overemphasized.



An active, informative LISTSERVE

What CED Offers Its Members

What CED has to offer:

- Current News on related annual conferences
- ASEE Conference held in June
- College/Industry/ Education Conference held late Jan. early Feb.
- Access to school and salary information and static
- Information on (ABET) Accreditation Board for Engineering and Technology,

Directory of Engineering and Engineering Technology Cooperative Education Programs. - Mike Mathews

2001 CED Directory ended up with 61 sold and generated \$3,000 in income for CED. It resulted in a net profit of \$994.

2003 CED Directory - Was delivered from the printer Jan 23, 2003 and 21 have been mailed out. With the approval of the CED Board, 12-13 will be distributed to Newcomers attending the 212 Workshop on Tuesday.

The 2003 Directory has 128 schools listed (up from 122 in 2001). All known co-op programs with engineering were mailed information to be included and then sent two follow-up emails. Beth Callahan again served as Co-editor and handles the orders and distribution of the Directories. Kristi Jernigan, MSU graduate student, and Larry Hill, retired Associate Dean of Engineering, were major contributors to the 2003 publication. An estimated 300,400 man-hours were involved in getting the Directory to press.

Interesting Numbers: The 128 schools reported having 41,588 engineering co-op students with 11,794 at work for the fall. The average school has 324 co-op students with 92.14 at work in the fall.

Top 5 States

OH-8,853
NY-5,870
PA-4,378
GA-2,940
TX-2,365

CED Web Page

MSU is currently hosting the CED Web page from CED Directory proceeds. Each committee chair needs to periodically review their information and send changes or updates to Mike. The CED Web info is being hosted on a new server as of January 2003, which will result in faster connections. There were a few problems when we moved over to the new server, however most of the problems have been resolved.

p-

www.coop.msstate.edu/ced/

THE ALVAHK. BORMAN AWARD

This award honors Alvah K. Borman, Dean of Graduate Placement Services, Northeastern University, for his numerous outstanding contributions to engineering cooperative education over many years, including the founding and editorship of the CED Newsbriefs _____ from 1969 until his death ten years later.

The Division allows for the presentation of up to two awards each year to Division members, past or present, who have made sustained, honorable, and meritorious contributions to the promotion of the philosophy and the practice of cooperative education in engineering and/or engineering technology.

Dr. Les Leone **Michigan State University**

Dr. Les Leone currently serves as Director of Cooperative Education at Michigan State University. The program has enjoyed significant success during his tenure. Never expecting recognition for his work, Les has been described as an experienced, passionate, collegial, and affable professional who carries out his tasks with dignity and integrity.

He has been a leader on the state, regional and national level, having served as an organizer and officer within MCEA and CED. Les has received two "Best Session" Awards for presentations at the CIEC, and has also been honored with a Chairman's Award for going above and beyond the call of duty for his work on ABET accreditation. He has led the CED as Division Chair and as program chair for the CIEC.

As one nominator stated, Les is "a professional, a true advocate of the principles of cooperative education, and a friend and mentor."

For his contribution to cooperative education, CED is proud to honor Dr. Les L. Leone with the 2003 Alvah K. Borman Award.

Richard J. Able **University of Cincinnati**

Richard J. Able has been a driving force in the effort to raise the standards of cooperative education through accreditation. Always possessing a passionate desire to improve the overall quality of the field, Dick has been a leader on the state, regional and national levels, holding the top office in OCEA, MCEA, CEA, and was the first president of the Accreditation Council for Cooperative Education. He has written over \$1.5 million in Title VIII grants and was a Department of Education reader.

Dick's research with the Mead Corporation into the productivity benefits of co-op was a landmark study, with the same research replicated by other employers. He has presented papers and moderated workshops nationally and internationally and served as a consultant to numerous educational institutions.

As a Department Head and Professor of an exemplary program at the University of Cincinnati, Dick Able has been one of the leading contributors to the co-op field in the last 25 years.

For his contribution to cooperative education, CED is proud to honor Richard J. Able with the 2003 Alvah K. Borman Award.

CED Awards Committee Report

Tom Akins, Awards Committee Chair

BORMAN AWARD

The Borman Award Committee consisted of Brenda LeMaster (University of Cincinnati), Mike Mathews (Mississippi State University), Mary Jo Fairbanks (University of Tennessee), Don Douglas (Penn State University), and the chairman, Tom Akins (Georgia Tech retired), and the chairman, Tom Akins (Georgia Tech).

Nominations were solicited and received, with two awardees named: Dick Abel (University of Cincinnati) and Dr. Les Leone (Michigan State University). Both were recognized during the recent CED Awards Banquet at the CIEC in Tucson.

CORPORATE RECOGNITION

A new category of awards was approved at the CED Board meeting held last May in Chicago. Since most employer representatives do not spend their entire careers in the position of working with co-op students, it was decided to give special recognition to those employers and their representatives who have provided distinguished service to the co-op community.

Nominations were received and two awardees honored during the recent CED Awards Banquet at the CIEC in Tucson: Mark Rudo of U.S. Airways and Steve Bender of Kimberly-Clark Corporation.

FREUND AWARD

The Clement J. Freund Award, presented by ASEE at the Annual Conference in June, will be given this year. Walter Odom (University of Tennessee) is the Chairman of the Freund Award Committee, and nominations are currently being accepted and considered.

Report to the CED Executive Board

Bob Tillman, Archivist

ARCHIVIST ACTIVITIES

Created a CED Archive Database to track awards materials/winners, committee membership, committee reports, newsletters, minutes, programs, CIEC activities, Executive Board activities, Bylaws, financial reports, annual reports, magazine articles, profession manuals/handbooks, membership lists, and promotional materials.

Identified past winners for the Alvah K. Borman, Clement J. Freund Meritorious Service and CED Distinguished Service Awards.

Updated database to identify CED Officers for the past several years. Attached is the report for the past three years.

I will put a request in the next CED Newsletter to solicit archive materials from the membership.

Goal for next year is to continue collecting and organizing CED archive materials and issue a report to Executive Board listing all archived materials.

CED Listserv

Because of issues surrounding the CED Listserv, the University. For various reasons 63 individuals were dropped from the listserv last year. Those dropped from the listserv problems, those requesting removal because they were no longer connected to co-op and those with addresses no longer valid.

On the plus side it is rumored that Sam Sovillan nominated T. Kingma for the Clement Freund Award in recognition of his diligent and forceful effort to promote CED worldwide.

As of January 2003 155 individuals are on the moderated CED Listserv. Over 20 informational e-mails were sent to CED members.

CED RESEARCH COMMITTEE REPORT

Ray Easterlin, Chair

The mission of the CED Research Committee is to serve as the cooperative education resource for the Cooperative Education Division of ASEE.

Research is vital to the development and advancement of cooperative education. The CED Research Committee is involved in identifying research needs, promoting research in cooperative education and disseminating research results to the CED community. The CED Research Committee will develop appropriate strategies and will work with other cooperative associations as well as agencies and foundations to strengthen and promote the advancement of relevant research.

1. CED Research Grant-2003. Nine applications were received for the 2003 grant and one is recommended for funding by the CED Research Committee. CED committee evaluators included Ray Easterlin, Les Leone and Bill Weston.

Recommended for funding- "Newcomer Socialization in Co-op Work Assignments" submitted by Dr. Charles K. Parsons and Harold B. Simmons, Georgia Institute of Technology. Suggested award-\$5,000.

Abstract: The goals of a cooperative education include bell* students confirm, their choice of major, getting professional work experience, improving their understanding of classroom theory, and appreciating workplace culture and competencies. We hypothesize that achievement of these goals depends on both characteristics of the organization and the individual. In the proposed study, we concentrate on how the achievement of the goals is affected by 1) individual differences and self-management strategies of the employing organization, and 2) the socialization tactics of the employing organization, and 3) the social relationship they develop with their target sample size. We plan to collect data from multiple sources for each research participant in a 4-stage study without target sample size. Surveys and other methods have been piloted and all procedures approved by the Institute's Human Subjects Review Board.

2. CEIAC/CED Research Grant- A progress report on the 2000, 2001 and 2002 grant recipients is provided on the spreadsheet entitled "CED Co-op Research Grant."

3. Talked with Sally Cardenas, CEIA President, and CED Research Grant. She will let me know. asked if they are interested in working together again in 2004 on a CEIA/

4. In addition to the ongoing marketing efforts done each year for the CEIA/CED Grant, committee member Diana Leis Delker promoted the 2003 grant to PhD students nationwide.

5. Ray Easterlin will attend the National Commission for Cooperative Education's Research Consortium meeting on April 9, 2003 and make a presentation on CED's role in supporting research entitled "CED and Cooperative Education Research."

6. CED Research Grant-2004. Research grant funds totaling \$5,000 are requested for 2004. Approval of these funds would continue the CED commitment to supporting research in cooperative education for the seventh time and fit in very well with our current efforts.

Grant Year* Recipient Institution Topic

2002 CEIA/CED Dr. Karen Wilkinson & CEIA/CED Grant 1 Dr. Laura Sullivan	Kettering University	Satisfaction and Persistence for Male and Female Engineering Students and Work Experience
2002 CEIA/CED Dr. Benjamin Blair & CEIA/CED Grant 2 Dr. Meghan Millea	Mississippi State University	Student Academic Performance and Job Placement: The Impact of Cooperative Education
2001 CEIA/CED Dr. Lori Braunstein & CEIA/CED Grant 1 Dr. Robert Lupton	Central Washington University	Cost Analysis of Cooperative Education: An Organizational Self-
2001 CEIA/CED Amina Hawkins Breaux CEIA/CED Grant 2	Temple University	Impact of Participation in Cooperative Education on Career Decision Making Self-Efficacy

*The last two years of Grants chosen

PASTAWARDEESofCEDsPrestigiousAwards

CEDDistinguishedServiceAward	
1972RobertB.Auld	FennCollege
F.GeorgeSeulberger	NorthwesternUniversity
1974RayLindenmeyer	
ClementJ.FreundMeritoriousService	Award
1976StanleyFisher	UniversityofLouisville
WileyThomas	UniversityofTennessee
1977BruceC.Stoughton	ofHouston
JamesG.Wolifford	GeorgiaTech
1978AlvinS.Barber	UniversityofWaterloo
JohnCain	AuburnUniversity
AlvahK.BormanAward	
1979AlvahK.Borman	Northeastern
StewartB.Collins	DrexelUniversity
HenryHutton	GeneralElectric
1980JohnL.Campbell	UnionCarbide
1981DonaldW.Lyon	Dupont
FrankVandegrift	AuburnUniversity
1982J.OdellJones	Univ.ofTennessee-Martin
JackLeMay	UnionCarbide
RobertHeyborne	Univ.ofthePacific
PatClark	NASA-Langley
1994WayneBogener	Caterpillar
1985HaroldB.Ratcliff	BradleyUniversity
RichardS.Rice	DiamondShamrockCorp.
1986DonaldR.Burrowbridge	UniversityofAkron
LutherB.Epting	MississippiState
1987JackM.Mangharn	UniversityofIllinois
1988ElizabethCorlew	Univ.ofTennessee
1989DonaldCommiskey	Dupont
R.NealHouze	PurdueUniversity
1990J.DonaldDouglas	NationalSecurityAgency
WilliamH.Hitch	GeorgiaTech
1991BettyW.DeVinney	TennesseeEastmanCo.
WilliamT.Padgett	AuburnUniversity
RebeccaJ.Simon	UniversityofIllinois
LouisTakacs	Dupont
EvelynD.Harris	NASA-Langley
JackD.Leer	DrexelUniversity
1994MaryJoFairbanks	SyracuseUniversity
1995E.SamSovilla,	UniversityofCincinnati
1997J.MikeMathews	MississippiState
MaryGordonPawlowski	TheSouthernCompany
1998ThomasM.Akins	GeorgiaTech
WilliamD.Taylor	UniversityofAlabama
2000LorraineBortz	GeorgeWashingtonUmv
2001BrendaJ.LeMaster	UniversityofCincinnati

2002National

Co-opoftheYear

Participants

DanielleAdams	CHE	DrexelUniversity	ElanDrugDeliveryInc.
SaniyaAhsan	ME	GeorgiaTech	Visteon
JessicaBicks	ME	PennStateUn	NASA/JohnsonSC
JosephH.Christ	EE	Univ.ofAlabama,	ADTRAN
DavidA.Christian	CHE	Un.ofKentucky	Dupont,WashWorks
EmilyCohen	Pol.Sci/English	NortheasternUn.	Anti-Def.League/B'naiB'rith
AnthonyR.Dalby	CPE	Un.ofArkansas	TheBoeingCompany
ElizabethFranklin	Chemistry	Un.ofMissouri	SandiaNationalLabs
ElizabethGodsey	CE	Un.ofSouthAL	U.S.ArmyCorpsOfEng.
ChadH.Kaanoi	EE	Un.ofHawaii	U.S.DeptooftheNavy
GregGarson	CPE	Un.ofCincinnati	Univ.ofCincinnati
JoshuaNoseworthy	CPE	NortheasternUn.	MercuryComputerSys
KristyM.Petosky	IE	Un.ofPittsburgh	DelphiDelcoElec/Sys
BrookeScheremeta	Biology	PennStateUn.	NIH
MarkSeeber	EE	ValparaisoUn	LockheedMartin
JakeStevens	Econ&Finance	UtahStateUn	ToyotaMotorSales

2002 CEIA/CED Student of the Year

Kristy M. Petrosky, an industrial engineering senior of the Year. Sixteen students were nominated for the business, industry and academia selected Kristy at the University of Pittsburgh, is the 2002 CEIA /CED Student of the Year. She is a distinguished panelist of national judges from

Kristy was nominated by Maureen Barcic, Director of Co-op Engineering Education at the University of Pittsburgh, and Shelly Hite, Industrial Engineering Manager at Delphi. Kristy's Co-op employer, Delphi Delco Electronics, Kristy exemplifies the finest Co-op qualities of integrity, enthusiasm and intelligence.

While completing four work terms at Delphi Delco Electronics in Kokomo, Indiana, Kristy worked in numerous capacities. In her first term, she designed a supermodel for other designers. rouscasadasa

In her second and third work terms, Kristy earned supervisory experience in the wafer fabrication facility, and worked as a lean change agent in Delphi's construction department.

By her fourth and final work term at Delphi, Kristy had developed sufficient knowledge of industrial engineering and Delphi's processes, and served as the sole Industrial Engineer for her department. She designed several layouts that integrated a new product line. She also developed shops and handled daily production needs.

Through her Co-op assignment, Kristy states, "I learned concepts at work, such as designing manufacturing systems, production and inventory control, before I learned them at school." She also says that, "These work experiences definitely helped me succeed in my classes and that may have seemed abstract, had I not actually gotten to apply them at work."

Furthermore, her experiences as a supervising engineering process and, in doing so, led to her future career plans. Kristy's goal is to pursue a doctorate in Industrial Engineering at Purdue University. She also plans to participate in their Semi-Conductor Manufacturing Research Group. Her ultimate goal is to work in the manufacturing environment while acting as an adjunct professor. Kristy says that she plans to combine these opportunities because, "I believe that having industrial experience, beginning with my Co-op experience, will make me a better professional. I respect my professors with industrial experience because they know what the theories and heuristics work in the 'real world'."

In addition to her outstanding Co-op assignment, Kristy is also excelling in the university environment. As a freshman, Kristy was a founding member of the Freshman Engineering Student Council, a group designed to introduce new students to the college, and recruit veteran students to the college. She also served as president of the Engineering Student Council, and recruited potential Co-op students. Kristy was also named a Holzman Undergraduate Research Fellow, and worked as a simulation studying how to allocate resources for transportation.

In her nomination letter, Maureen Barcic notes Kristy's abilities: "Her diversity, character, commitment, willingness to help the younger undergraduates, community and her classmates is unparalleled. Her depth and diversity of other knowledge of industrial engineering, her contribution to Cooperative Education, both at her place of employment and at school, and her continuing encouragement for other students to participate, is unequalled."

For all of Kristy's accomplishments, one that she found most rewarding was participating in the Freshman Engineering Leadership Team. As a member of this team, she worked as a recruiter and a mentor. She directs weekly seminars, where she teaches freshmen about skills such as time management and teamwork, and helps them choose their specific engineering disciplines. She says, "Both as a recruiter and a mentor, I have been a strong advocate of Pitt's Co-op Program. I always tell my freshmen and visiting families about my Co-op experiences and the many associated benefits."

With her dedication to work and school, coupled with her intensive effort to recruit and educate new engineering students, it is easy to see why Kristy is the 2002 Co-op Student of the Year.

WACE
2003 International Symposium
on Work-Integrated Learning

November 16–19, 2003
Hampton Inn
Pensacola Beach, Florida USA

An outstanding international roster of speakers will address aspects of the best practices of work-integrated learning, research initiatives, and other issues that are critical to the development and success of work-integrated learning internationally. Deeper examination of these topics will occur in delegate discussion sessions.

The symposium will begin with an optional **WACE Learning System** workshop on November 16. WACE managing consultant Rick Reeve, author of WACE publications *A Guide for Developing International Co-op Programs* and *An Employer's Guide to Work-Integrated Learning*, will discuss various models of work-integrated learning and the best practices of each model. Other special events will include a reception at the home of Dr. John Cavanaugh, President of the University of West Florida.

You will find Pensacola Beach is the perfect place to hold the Symposium! Pensacola is a city steeped in history and offers a variety of sightseeing opportunities, golf resorts, and water activities. Major airlines arrive at and depart from an airport that is less than 30 minutes from the hotel site. Our hotel (Hampton Inn) is situated directly on the beach with rooms overlooking the Gulf of Mexico. The beach itself is truly one of the most beautiful in the United States and the Gulf water shows itself in an array of greens and blues. Room prices for the weekends before and after the Symposium are the same rates as the actual symposium dates.

Please join us in November for the 2003 WACE International Symposium. Work-integrated learning is such a vital and valuable part of the world's educational and economical settings that we all need to share our ideas, research, and best practices – and this symposium is the opportunity to do just that!

Reserve the dates for this Symposium and be prepared for an international-focused, intense educational experience where learning comes from formal presentations as well as informal discussion and interaction among participants.

Professional Services

We continue to update our CED Resources & Professional Services Directory and need your assistance. This directory lists ASEE/CED members who have expertise in areas in which they are willing to serve as a resource for colleagues. The current directory may be viewed through the CED web page <http://www.coop.msstate.edu/cedhost/CEDresources.htm>. Let me know of your interest in being listed in the CED Resources & Professional Services Directory by sending an email to: smmatney@gw.fis.NCSU.EDU

CED Professional Services Committee
Susan Matney
Arleen Anderson
Sue Michaelson

**ASEE Conference for Industry and Education Collaboration (CIEC)
Biloxi, Mississippi from February 3-6, 2004
2004 theme- "Preparing Engineering Leaders for 2020".**

This call for papers/sessions for the annual conference is an open invitation for educators, industry and governmental representatives to submit proposals. For instructions please visit the "Call for Papers" section of conference website at:

<http://www.asee.org/conferences/ciec2004/callsforpapers.cfm>

- There is a March 15, 2003 deadline, but proposals will be considered until the program is complete.

Proposals on all topics related to the practice of cooperative education are welcome, but sessions on the following topics will be given special consideration:

- Marketing/Sales- in response to the current tight job market, a training session that teaches co-op professional effective sales and marketing approaches
- Research- presentation from a CED funded research project
- Solving Common Problems or Managing Crisis Situations
- A Professional Development topic
- The Future of Cooperative Education- building on the conference theme, describe the current status of the field of cooperative education, where it is headed, and how programs can position themselves to succeed.
- Assessment- demonstration of effective assessment efforts including insight into the impact of cooperative education on student learning and program improvement
- Practical Industry/Education Partnerships- practical approaches that midlevel managers can use to build effective partnerships
- Strengthening old and building new relationships between federal government agencies and engineering co-op programs
- Pre-conference: Nuts and Bolts for newcomers, how-to sessions on specialized topics, marketing/salestraining

Conference attendees often comment that the best sessions are ones that are interactive. If you are considering submitting a proposal please include, if possible, an interactive component.

I look forward to receiving many high quality proposals. If you would like to discuss a program idea please send me a note or give me a call.

Joe Stahley-2004 CIEC/CED Program Chair
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