



THE PROFESSIONAL ERGONOMIST

Fall | Winter
2015

The Newsletter of the Board of Certification in Professional Ergonomics

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President's Message

by Jeffrey Fernandez PhD, CPE
President

One of the first tasks assigned to me when I was elected President of the Board of Directors at the end of October 2015 was to write the President's Message. I have been on the Board for the last 5 years, serving on the certification committee. This piece in the newsletter is a brief update of our progress over the last few years with emphasis on the plans for this coming year.



- In Fall 2013, BCPE moved to the electronic hosting of multiple-choice questions exams using the existing core competencies.
- In Chicago in October 2014, a group of subject matter experts (SMEs) met in a 2-day session to draft updated core competencies and the related knowledge and skills (K&S).

- The updated core competencies were sent out to all certificants in a form of a survey in January 2015.
- The new core competencies have been finalized and are now published on the [BCPE website](#).
- Starting in Fall 2016, the exam will be based on these new core competencies. This may seem simple but this is a major endeavor which includes:
 - New questions for this exam will be developed over the next 2-3 months and we are seeking volunteers for this task. If you are interested please contact us.
 - The new questions will need to be reviewed and refined to be consistent with format, quality, ease and difficulty, and reliability.
- The application process is being streamlined so that work product and educational requirements align with the new core competencies.
- BCPE participated in the IEA certification session at which there were 13 presentations from HF/E certification bodies around the world. An IEA Certification Subcommittee has been formed to enhance communication between certification bodies and to keep aligned with the profession globally.
- At the HFES society meeting in Los Angeles in October 2015, BCPE sponsored the student lounge, exhibited a tabletop booth and held the annual BCPE Reception. See below for details.
- BCPE has its own LinkedIn page (not to be confused with a general certified HF/E professionals page), which is rapidly growing. If you haven't joined yet, please do. This is a useful format for us to communicate immediate news to you. We also invite non-certificants to join so they may tap the BCPE community.

<https://www.linkedin.com/groups/8307857>

Over the last couple of years strategic initiatives were developed, these will continue to drive our goals, objectives, and initiatives. The focus for next year will be to enhance processes and formalize schedules, transition to the new core competencies, and work aggressively towards development of exam questions for Fall 2016 and beyond.

In closing, I would like to thank Carol Stuart-Buttle the BCPE Executive Director and Kris Rightmire the BCPE Executive Administrator for their vital support, service, and assistance that makes this organization function smoothly. And the Board of Directors (Joe Cohen, Fadi Fathallah, Paul Green, Jeff Kelley, Rachel Michael, Matt Pierce, Kari Babski-Reeves, Brian Sherman, Robert Torres, and Cindy Whitehead) for their hours of volunteer service that are necessary for a non-profit organization like ours to succeed.

Thank you all BCPE certified Professionals - we appreciate your support and would truly appreciate you contacting us if you would like to serve as a volunteer.

BCPE Survey

Please look out for an important SurveyMonkey® invitation coming your way soon from BCPE. We continue to revisit the scope of our practice and our delivery of services. The purpose of the short survey is to gain a better understanding of your perspectives and needs pertaining to certification. Our intent is to provide clarity in communicating BCPE certification and hence better serve the BCPE community.

We would very much appreciate your time and consideration in responding to the survey.

Core Competencies on Website

As President Jeff Fernandez states, the [new core competencies](#) are on the BCPE website. The structure is the contemporary approach of certification bodies, in the format of tasks performed in practice of the profession. Soon there will be an exam content outline with some knowledge and skills that pertain specifically to the new Fall 2016 exam.

Please note there are the CURRENT core competencies that pertain to the SPRING 2016 exam and the NEW core competencies that pertain to the FALL 2016 exam. November 30, 2015 was the closing date for applying for the Spring 2016 exam. Subsequent applications will be related to the new core competencies.

Application forms and education requirements are being updated to align with the new core competencies. Please check the website frequently for the updates.

BCPE.org Certificant Area

Log in to the Certificant Area on the BCPE website. Update your profile, find out more about the Continuance of Certification (CoC) process, volunteer for a committee, and search in the private certificant directory! There is a link to reset your password if you have forgotten your login information.

Under "Profile" tab, click the [View profile/Edit profile](#) button to see more details and to edit as needed. You will find your CoC due date and your certification number as you scroll down.

Annual Meeting Highlights

The BCPE Board of Directors held their 2015 Annual Meeting in Los Angeles, CA towards the end of the Human Factors and Ergonomics Society Annual Meeting, on October 29 - 30. The agenda for this meeting focused on board operations and completing the strategic planning session. The following summarizes the meeting reports and activities.



Left to right: Kris Rightmire, Carol Stuart-Buttle, Kari Babski-Reeves, Paul Green, Rachel Michael, Robert Torres, Cindy Whitehead, Fadi Fathallah, Jeff Fernandez, Joe Cohen, Matt Pierce

- Associate applications continue to increase with 16 since the last newsletter.
- The number of CoC reviews is high in this anniversary year of CoC initiation. This has delayed acknowledgement to certificants.
- President Joe Cohen recapped the strategic planning effort that the Board has been working on throughout 2015. The Board revisited the Core Values for the BCPE (Value, Visibility, Viability and Validity), which drive the strategic objectives, strategies, goals, and committee work.
- The Board voted on 2016 Executive Committee and made committee appointments.

Activities at the 2015 HFES Los Angeles Meeting

- BCPE hosted the Student Lounge for a day during the HFES Annual Meeting. Over 25 students stopped by to meet the Directors and learn about the BCPE. BCPE President Joe Cohen gave an overview of the BCPE to students, a preview of the new core competencies, focusing on the path to AEP to a well-attended audience.
- A BCPE booth was continuously staffed all week in the exhibitors' hall at the HFES conference due to the many certificants who graciously volunteered their time. The booth drew many prospective candidates who were engaged into enthusiastic conversation by the volunteers.
Thank you.

- The Annual BCPE reception at the HFES Annual Conference was well attended. The catered networking event at the JW Marriott welcomed all certificants and those interested in becoming certified. The Dieter W. Jahns Student Practitioner Award was presented to this year's winners by FPE President Bob Smillie and Karel Jahns, FPE Director and wife of late Dieter W. Jahns. The student's professor Dr. Tobias Grundgeiger was also present at the ceremony.

Awards During Annual BCPE Reception

Dieter W. Jahns Student Practitioner Award

Congratulations to the German team of Moritz Albert, Daniel Reinhardt, and Ann-Kathrin Kraft, winners of the 2015 Dieter W. Jahns Student Practitioner Award from the Foundation for Professional Ergonomics, a nonprofit organization dedicated to advancing professionalism in ergonomics. Albert, Reinhardt, and Kraft, are students of the Human-Computer-Interaction Master of Science program at the Institute Human-Computer-Media, at the Julius-Maximilians-Universität in Würzburg, Germany. They are the sixth recipients of the award, which was created in honor of Dieter Jahns, a lifelong advocate of the practice of ergonomics and a leader in ergonomics certification. The award included a \$1,000 check and complimentary registration for the Annual Meeting.



Left to right, Daniel Reinhardt, Ann-Kathrin Kraft and Moritz Albert with the award.

The team's project is titled "Development, Formative Evaluation, and Summative Evaluation of a Tablet-based Application for Real-time Resuscitation Documentation." Documentation of in-hospital cardiopulmonary resuscitations such as the exact time of intervention delivery is important for improving quality and safety of resuscitations. Resuscitations involve time-critical

treatments and can be stressful for the resuscitation team. Albert, Reinhardt, and Kraft developed a tablet-based application for documentation of in-hospital cardiopulmonary resuscitations that enables real-time documentation by a member of the resuscitation team. They employed a user-centered design process including several iterations and formative evaluation methods such as pluralistic walkthroughs, thinking aloud, and simulated resuscitations using a patient manikin.

Albert, Reinhardt, and Kraft stated, “It is a great honor for us to receive the Dieter W. Jahns Student Practitioner Award. We are very pleased to get this appreciation. It definitely encourages us to continue with our research work and future projects in the field of ergonomics.”

The award competition had an international flavor this year with Certificates of Appreciation given to the following runner-ups:

- Milan Radenkovic, Evanthia Giagloglou, and Marko Milosevic from the University of Kragujevac, Serbia.
- Mehdi Saffarian, University of Toronto, Canada.
- Maryam Zahabi, Wenjuan Zhang, Inchul Choi, and Yi-Fan Liao, North Carolina State University, United States.

BCPE thanks Robert J. Smillie, PhD, CPE, CIEHF for providing this article.

Meet Our Directors

Incoming Directors

We welcome one new Director to the BCPE board who started her term in the Fall of 2015.



KARI BABSKI-REEVES

Kari Babski-Reeves is an Associate Professor in the Industrial and Systems (ISE) Engineering Department and the Interim Associate Dean for Research and Graduate Studies for the Bagley College of Engineering at Mississippi State University (MSU). She is also the IRB chair for MSU and co-directs the Human Systems Engineering Laboratory within ISE. Kari’s research interests are primarily related to the prevention and control of musculoskeletal disorders and fatigue assessment. Prior to joining MSU in 2006, she served on the faculty within the Grado Department of Industrial and Systems Engineering at Virginia Tech. She received her BS, MS, and PhD degrees in Industrial Engineering from MSU. She is current member of the NIOSH Occupational Safety and Health review panel, has served as Program Chair in for the Human Factors and Ergonomics track for

Institute of Industrial Engineers and the Program Chair for the Aging Technical Group for the Human Factors and Ergonomics Society.

Jeff Kelley and Cindy Whitehead were voted in on a second term on the Board. Both are on the BCPE Executive Committee, Cindy serving as Treasurer and Jeff as Secretary.

2016 BCPE Executive Committee

On October 30, 2015 at the annual meeting, the BCPE Directors elected the 2016 Executive Committee:

President	Jeff Fernandez, PhD, CPE
Vice-President	Rachel Michael, MSc, CPE
Secretary	Jeff Kelley, PhD, CHFP
Treasurer	Cindy Whitehead, MHS, CHFP

Certification and Exam Status

Certificant Totals

Through December 3, 2015 there were 1307 certificant:

930	Professional Certificants
170	Associate Certificants
148	Retired Certificants (Professional and CEA)
59	Certified Ergonomics Associates (CEA)

Examination

Summary of fall exam session in 2015.

Applicant	# Candidates	# Passed	% Passed
Professional & Associate to Professional	22	11	50

The average pass rate for the two exams in 2015 is 51.5% with a total of 30 candidates passing the exam in 2015.

New Certificants

Congratulations to 11 candidates who successfully passed the fall exam and obtained Professional Certification. Since the last newsletter to November 16, we welcome 16 new Associate Certificants!

New Professional Certificants:

Lauren Barnard *
 Nelda Chavez
 Erin Davis
 Andrea Dwyer
 Mike Lorenz
 Sally Mergendahl
 Anuja Patil *
 Deepti Surabattula
 Julie Thompson
 David Wein
 Neal Wiggermann

* Associate to Professional transition

New Associate Certificants:

Josiah Allen BSc, AEP
 Michael Boyce PhD, AEP
 Peng-Fei Chang MS, AEP
 Mark J. Fenzi MS, AEP
 Roberto Gonzalez MS, AHFP
 Woodrow W. Gustafson MS, AHFP
 Kelsey Hitt MS, AEP
 Christopher Hubacek MS, AHFP
 Christopher T. Kempinski MS AEP
 Jonathan Ledbetter MS, AEP
 Drew Morris MS, AEP
 Joseph Pratt BS, AHFP
 Maria Scheidler MS, AHFP
 Nicholas C. Smith MSIE, AEP
 Allison B. Williams MS, AHFP
 P. David Yacht MISE, AEP

Certificants No Longer Current (since last newsletter)

Dawn Chandler and Safia Kassam

Retired Status

BCPE offers a retired status for those certificate holders who no longer practice or who practice no more than 15 hours per month. Retired status is awarded upon approval of the certificate holder's statement of work plus payment of a one-time \$150 retired status fee.

Lost

BCPE has lost contact with David A. Kobus, PhD, CPE formerly of Santee, CA and also Rahul Soangra, MS, AEP formerly of Christiansburg, VA. If you know how we can reach David or Rahul, please let us know.

Volunteering

BCPE is having a booth at a conference in the near future for which we seek volunteers:

Applied Ergonomics Conference (Orlando, FL), March 21-24, 2016

Please let us know if you are able to help us out. Those who are able to help with the booth may receive one CoC point for volunteer work. Email: bcpehq@bcpe.org

THANK YOU to the numerous certificants who have donated their time and talent to BCPE in the last year. We greatly appreciate your service to the organization and those seeking BCPE certification. If you are interested in volunteering, we welcome your involvement! We have standing committees related to **Communication**, **Outreach** and **Certification** that would benefit from your assistance. If you would like more information about BCPE volunteer opportunities, please contact Kris Rightmire at bcpehq@bcpe.org.

FPE Student Award Submission Deadline

The Foundation for Professional Ergonomics has announced the 2016 deadline for the Dieter W. Jahns Student Practitioner Award. The award was created in honor of Dieter Jahns, a lifelong advocate of the practice of ergonomics and a leader in ergonomics certification. The submission deadline for the 2016 award is May 31. Notification of the winner will be sent by July 31.

The annual award is given to the student (or group of students) for a project that demonstrates the major practice areas of ergonomics: analysis, design, and evaluation. The purpose of the award is to advance professionalism in ergonomics by recognizing educational activities that demonstrate how professional ergonomists serve to make people's lives at work and at home healthier, safer, more productive, and more satisfying. The award is open to master's and doctoral students in ergonomics and ergonomics-related programs. Students who have completed their graduate degrees within one year of submitting are also eligible.

The award and cash prize of \$500 will be presented during the HFES Annual Meeting, September 19–23, 2016, in Washington, DC.

As this is a practitioner award, the student (or students) should describe and document a research or intervention project that exhibits the following:

- The major practice areas of ergonomics: analysis, design, and evaluation
- Direct, practical application
- Final design recommendations or a description of how the resulting information can be applied to design.

Submissions can be made individually or as a group. They should provide adequate descriptions, illustrations or photos, and details that address the judging criteria. Entries will be judged by the FPE Board of Directors. Please go to www.ergofoundation.org for complete details on criteria and format.

Job Postings

Employers can reach practitioners by posting available job openings at the BCPE Job Bank. Jobseekers can view all available positions or narrow their search by a selection of criteria.

Certificants who are employers receive a 15% discount in posting fees. For a three-month advertisement, a Certificant pays \$255 versus \$300 for non-certificate holders.

Checkout the Job Postings at www.bcpe.org for posted positions.

Calendar of Events

BCPE 2016 - 17 Calendar of Events

Nov 30, 2015	Application Deadline for Spring 2016 Certification Examination.
April 1 - May 31, 2016	Spring 2016 Certification Examination Offering.
April 14-15, 2016	BCPE Mid-Year Business Meeting, Chicago, IL.
April 30, 2016	Application Deadline for Fall 2016 Certification Examination.
Sept 1 - Oct 31, 2016	Fall 2016 Certification Examination Offering.
Sept 20, 2016	BCPE Annual Networking Reception, Washington, DC.
Sept 19 - 23, 2016	BCPE Annual Business Meeting, Washintgon, DC.

Professional Development Opportunities

The following conference, short course and webinar lists are provided as convenience to certifiants. They are not reviewed or endorsed by BCPE.

2016

February	SeminarFest 2016 : American Society of Safety Engineers, Feb 5-11 , Las Vegas, NV, USA
March	ACM iUI 2016 : Conference on Intelligent User Interfaces, Mar 7-Apr 10 , Sonoma, CA, USA.

[CHIIR 2016](#): Conference on Human Information Interaction and Retrieval, **Mar 13-17**, Chapel Hill, NC, USA

[ETRA 2016](#): Symposium on Eye Tracking Research and Applications, **Mar 14-17**, Charleston, SC, USA.

[iConference](#), **Mar 20-23**, Philadelphia, PA, USA.

[AEC 2016](#): Applied Ergonomics Conference **Mar 21-24**, Disney's Coronado Springs Resort, Orlando, FL, USA.

April [2016 Safe Patient Handling and Mobility Conference](#), **April 11-15**, Glendale, AZ, USA

[HFES 2016 International Symposium on Human Factors and Ergonomics in Health Care: Shaping the Future](#), **Apr 13-16**, San Diego, CA, USA.

[EHF 2016](#): Annual conference of Chartered Institute of Ergonomics and Human Factors, **Apr 19-21**, Staverton Park, UK

May [CHI 2016](#): Conference on Human Factors in Computing Systems, **May 7-12**, San Jose, CA, USA.

[ICAE Berlin 2016](#): 18th International Conference on Applied Ergonomics, **May 19-20**, Berlin, Germany.

[AIHce 2016](#) – American Industrial Hygiene Conference and Expo, **May 23-26**, Baltimore, MD, USA.

[UXPA 2016](#): User Experience Professionals Association Conference, **May 31-June 3**, Seattle, WA, USA.

June [ergoX 2016](#) –an extraordinary ergonomics event, HFES, **June 6-8**, Anaheim, CA, USA.

[ISOES Conference 2016](#): **XXVIIIth Annual International Occupational Ergonomics and Safety Conference, June 9-10, Chicago, IL, USA.**

[Safety 2016](#): ASSE Professional Development Conference & Exposition, **Jun 26-29**, Atlanta, GA, USA.

- July [HCI 2016](#): Human-Computer Interaction International, **Jul 17-22**, Toronto, Canada.
- [AHFE 2016](#): 7th International Conference on Applied Human Factors and Ergonomics. **July 27-31**, Walt Disney World, Orlando, FL
- August [ICHFE 2016](#): 18th International Conference on Human Factors and Ergonomics, **Aug 4-5**, Amsterdam, The Netherlands.
- September [ECCE 2016](#): European Conference on Cognitive Ergonomics, **Sep 6-8**, Nottingham, UK.
- [HFES 2016](#): Human Factors and Ergonomics Society conference, **Sep 19-23**, Washington, D.C., USA.
- October ACE 2016: 47th Annual Conference of the Association of Canadian Ergonomists/47^e congrès annuel de l'Association canadienne d'ergonomie. *More information coming soon!*
- [NSC Congress & Expo 2016](#): National Safety Council, **Oct 15-21**, Anaheim, CA, USA.
- [NordiCHI '16](#): Nordic Conference on Human-Computer Interaction, **Oct 23-27**, Gothenburg, Sweden.
- November [Group2016](#): Conference on Supporting Groupwork, **Nov 13-16**, Sanibel Island, FL, USA.
- [NECE](#): National Ergonomics Conference & ErgoExpo, **Nov 15-18**, Las Vegas, NV, USA.
- [2016 African HCI Conference](#), **Nov 21-25**, Nairobi, Kenya

Short Courses

2016

- February [Work, Health, and Well-being: Integrating Wellness and Occupational Health and Safety in the Workplace](#), **Feb 1-3**, Harvard T. H. Chan School of Public Health, Boston MA, USA
- [Human Factors Engineering & Usability Studies Summit](#), **Feb 10-11**, South San Francisco, CA, USA

[HFESA Short Course](#): Health & Design of Work, La Trobe University, **Feb 22-23**, Melbourne, Australia.

[Ergonomics Symposium](#), Updates in Ergonomics: Demonstrating Economic Value, **Feb 24-25**, University of Michigan, Center for Occupational Health and Safety Engineering, Los Angeles, CA, USA.

May [Human Factors Short Course](#), Auburn University, Auburn, AL, USA. *Information not yet available*

[Ergonomics Short Course](#), Auburn University, Auburn, AL, USA *Information not yet available*

[Spring 2016 Ergonomics Short Course](#) - Putting Ergonomics into Practice, **May dates to be determined**, Ohio State University, Columbus, OH.

[Using the Three Dimensional Static Strength Prediction Program™](#), **May 10-11**, Center for Occupational Health and Safety Engineering. The University of Michigan, Ann Arbor, MI, USA

July SEIPS 2016: Systems Engineering Initiative for Patient Safety (SEIPS) Short Course on Human Factors Engineering and Patient Safety, University of Wisconsin-Madison, Madison, WI. *Information not yet available*

[Week 1](#) Annual Human Factors Short Course (2016); Designing Systems, Products and Services to Make them Easier, Safer and More Effective for Human Use. **Jul 25-30**, Center for Occupational Health and Safety Engineering. The University of Michigan, Ann Arbor, MI.

August [Week 2](#) Annual Human Factors Short Course (2016); Designing Systems, Products and Services to Make them Easier, Safer and More Effective for Human Use. **Aug 1-5**, Center for Occupational Health and Safety Engineering. The University of Michigan, Ann Arbor, MI.

October [Ergonomics and Human Factors: Strategic Solutions for Workplace Safety and Health](#), **Oct 5-9**, Harvard T.H. Chan School of Public Health, Boston, MA

[Autumn 2016 Ergonomics Short Course](#), Ohio State University, Columbus, OH. *Date to be determined.*

Fall 2017 [Ergonomics and Human Factors: Strategic Solutions for Workplace Safety and Health](#), Harvard T. H. Chan School of Public Health, Boston MA, USA

Various [HFES Educational Resource Listing](#), Human Factors and Ergonomics Society – a listing of educational opportunities of varying formats (degree, certificate, distance and short course) maintained by HFES.

Webinars 2015

[2016 Ergonomics Online Webinar Series](#), (2nd Tuesday of every month), starting **Jan 12, 11 am – noon PT**
UCLA/ UC Irvine – Southern California Educational and Research Center, CA.

[HFES Webinar Series](#)- Human Factors and Ergonomics Society, Santa Monica, CA
2016 schedule yet to be released

[Ergo Expo Webinar Series](#), *2016 schedule yet to be released.*

January [Webinar- Effort and Anthropometric Change](#), **Jan 7, 2 pm ET**
Institute of Industrial Engineers, Norcross, GA.

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