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Summer 2012

PSYCHOLOGY NEWSLETTER

A Year of Change

The past year was marked by significant changes in the university with the retirement of the popular Dr. Donald Beggs and the selection of Dr. John Bardo as the 13th president of WSU. Last year was also notable for the department in a number of ways:

- The department graduated its 139th PhD student which is an impressive achievement given we graduated our first doctoral student in 1995.
- The Psychology department and the Department of Veterans Affairs (VA) signed an Associated Health Education Affiliation Agreement. The affiliation agreement will provide doctoral students (Clinical, Community and Human Factors) opportunities for clinical traineeships, internships, and research fellowships. We are very excited about this agreement as it represents an important step in offering our students the unique opportunity to further their training by working closely with local VA staff.
- With the support of the university administration the department is proceeding with its proposal to establish a research institute which will be located in McKinley Hall. The institute will consist of office space, meeting rooms and labs to support new sponsored research programs and training workshops. (See side bar)
- Finally, we received approval to proceed with hiring an assistant clinical professor since assistant professor Dr. Sabina Low departed for Arizona State University.

We look forward to this year with construction of the new space for the institute and welcome two assistant professors (Drs Jibo He & Joseph Keebler), research scientist Elizabeth Lazarra and the entering class of doctoral students. I'm looking forward to a great year.

-Dr. Alex Chaparro



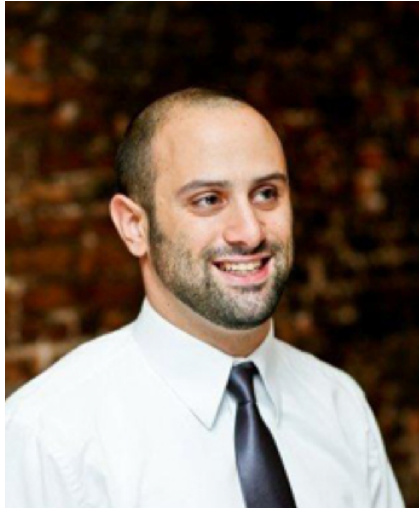
Dr. Alex Chaparro
Department Chair

Proposal for New Institute

The three doctoral programs in the Department of Psychology share a common focus on applied research, in accord with the mission of Wichita State University as Kansas' only urban-serving university campus. The proposed institute would be modeled after the National Institute of Aviation Research (NIAR) and would perform several functions: 1) serve as a regional center for research in program evaluation, human factors, and child development; (Cont on pg 3)

Get to Know Your New Faculty

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Drs. Jibo He and Joseph Keebler join the WSU faculty hoping to continue the Psychology Department's stellar reputation in research and teaching.



Dr. Joseph Keebler received his PhD in Applied/Experimental Human Factors Psychology in 2011 and later completed post-doctoral work at the University of Central Florida. The University of Central Florida has a very active

Human Factors (HF) program that Dr. Keebler contributed to considerably, co-authoring over 40 scientific publications and numerous grants. Additionally, Dr. Keebler is currently the chair of the Education Technical Group and the National Ergonomics Month Committee for the National Human Factors and Ergonomics Society.

One reason Dr. Keebler chose a faculty position at Wichita State is because of its standing as a top accredited Human Factors program. "When I interviewed I really felt that it's a place where I could thrive as a scientist/practitioner. I am looking forward to starting multitude of projects and getting to know fellow professionals here

in Wichita."

Dr. Keebler has a wide variety of research interests and brings a number of areas of expertise to the department. "My early graduate research was focused on Human-Robot Teams in military settings. Specifically my research focused on teams of people operating multiple unmanned vehicles. Later on in my graduate work I focused on object identification and memory. My dissertation focused on how to use simulation-based training for quickly training individuals to tell confusable objects apart. My post-doc was a mixture of continuing HRI work, but also allowed me to develop work in medical HF, specifically in the (Cont on pg 3)

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Dr. Jibo He received his PhD in 2012 from the University of Illinois where he specialized in eye movements and attention. "I am interested in eye movement and attention, and the application of psychological theories and paradigms in real-world tasks, for example, human computer interaction and driving.

My current research projects include 1) detection of driver fatigue and distraction using vehicle dynamics, eye movement, and EEG, 2) performance changes and mechanisms of distracted driving and automation assisted driving, and 3) query suggestions and tagging behaviors in web searches. The goal of my research is to understand human cognitive processes and



develop technologies to improve performance, increase user experience, and mitigate human error."

Dr. He will work out of his lab, The Human Automation Interaction Laboratory (HAIL).

"HAIL studies human performance under different states (for example, when drivers are drowsy or cognitively distracted), and how automation and technologies shape human performance. Current research topics include driving performance changes with advanced vehicle control system, lane-keeping and speed control performance under cognitive distraction, eye movement and neuro-electrical indicators of driver fatigue. We work hard to apply our knowledge of psychological theory to the development of technologies, in the hope to improve user experience and reduce human errors." ■

Human Factors program hires two new faculty from top PhD programs.

Some Interesting Facts in this Issue

- Psychology Department establishes a new research institute
- The department introduces two new faculty; Drs. Jibo He & Joseph Keebler
- WSU established a training and research agreement with the Veteran's Administration
- The department graduated its 139th PhD this past year

New Institute

(Cont from pg 1)

2) provide infrastructure, including laboratory and office space dedicated to these research activities; 3) foster collaborative research across disciplines to address problems that require an interdisciplinary approach to understand and ameliorate; 4) provide additional training opportunities for undergraduate and graduate students; and 5) market the research capabilities of the institute. The requested space would serve as a first step

in establishing and developing such an institute. The anticipated benefits include increased regional and national recognition for WSU and the Department of Psychology, as well as increased revenue from sponsored research programs. ■



The new institute will be located in McKinley Hall

Dr. Keebler

(Cont from pg 2)

areas of teamwork and simulation-based training."

Furthermore, he hopes to start some long-term research projects to help WSU keep its reputation as a top HF program. "I have a bunch of research projects I'll be working on. I'm going to continue on a couple of tracks, including HRI research with Unmanned Aerial Vehicles, Simulation-based training using Augmented Reality training systems, and medical research. I'm also partnering with Optek, a guitar manufacturer that has some cutting edge technology for teaching individuals to learn how to play the instrument."

To achieve his research goals, Dr. Keebler has established the Training Research and Applied Cognitive Engineering (TRACE) Lab. "The TRACE lab is focused on utilizing cutting edge technology for applied training and assessment across military, medical, and civilian domains. One focus of this lab will be the use of augmented reality training for learning anatomical structures; augmented reality training for learning to differentiate between highly similar combat vehicles; and augmented reality training for learning musical instruments according to the new STEAM (Science, Technology, Engineering, Arts, and Math) model of education. TRACE lab will also investigate topics related

to teamwork in medical settings, specifically through partnering with the DoD's TeamSTEPPS program. Finally, investigations will also be focused on future Human-Robot Teams, and studies will utilize COTS (commercial off-the-shelf) video game systems to simulate and measure HRI teams."

Dr. Keebler will be teaching undergraduate research methods, but hopes to eventually teach Biological Psychology and Advanced Research Methods at a graduate level. He is also interested in seminars on advanced statistical modeling techniques and Human Factors. Dr. Keebler's wife, Elizabeth Lazarra, is a HF research scientist and will be collaborating with both WSU and KU School of Medicine- Wichita. ■

Awards & Scholarships

Dr. Greg Meissen - Kansas Health Foundation Community Leadership Award; APA Division 27: Society for Community Research and Action: Distinguished Contribution to the Society for Community Research & Action

Dr. Barbara Chaparro - President's Distinguished Service Award; 2012 WSU Faculty Phenomenal Woman of the Year

Andrew Miranda - Cord Fellowship

Jo Rain Jardina - 5th place GRASP Poster Division

David Libby - 1st place GRASP Oral Division

Angela Burgess - Departmental Research Award

Blake Webster - WSU Student Government Association Commendation of Appreciation

Dina Elias-Rodas - Graduate School Outstanding Doctoral Dissertation Award

Sharon Hakim - Graduate Research Award

Bobby Nguyen - Jackson Powell Scholarship; Randall Chambers Scholarship

Human Factors Program

The Human Factors program continues to thrive as one of the best HF graduate programs in the country.

Two HF students graduated from the program this year – Candace Gilmore and Chris Brown. Candace is working at Intel in Portland, OR and Chris is working at 3M in Minneapolis, MN. In addition, three students gained internships at Dell, Google, and Honeywell. We also have 11 presentations accepted to this October's Human Factors and Ergonomics Society conference in Boston!

The HF faculty have been extremely productive this year with research, grants/contracts, and teaching:

The SURL lab, under the direction of Dr. B Chaparro, has been working with industry across the country exploring user performance with a variety of mobile devices, website usability, software design and evaluation. We also continue to examine the use of eye tracking measures in the assessment of website and mobile device usability with our new Tobii X120. Other current lab research includes voice recognition on mobile devices, examination of e-books in the classroom, first impressions of video games, and the usability of Electronic Medical Records (EMR) on tablet computers. Jennifer Teves and I collaborated with physicians from Children's Mercy Hospital in Kansas City to deliver a workshop regarding the use of tablet computers in hospital settings at the Pediatric Hospital Medicine 2012 conference in Cincinnati in July.



Dr. Barbara Chaparro
Program Chair

Dr. Alex Chaparro has been investigating the Human Factors and ergonomic issues related to a universal ground control station for Unmanned Aerial Vehicles (UAVs). This project is currently staffed full-time by two HF alum – Bonnie Rogers and Traci Hart and – and graduate student Neethan Siva. Another central focus of Alex's lab continues to be investigations of the effects of talking and texting on driving performance. Graduate students Rondell Burge, Joe Crandall and David Libby are all investigating different components of texting while driving including driver vehicle control and the effects of texting on hazard detection. Rondell Burge, Joseph Crandall and Dr. Chaparro will be presenting their research investigating the results of several of these studies at the Human Factors and Ergonomics Society conference being held in Boston, MA. A paper by former doctoral student (Cont on pg 5)

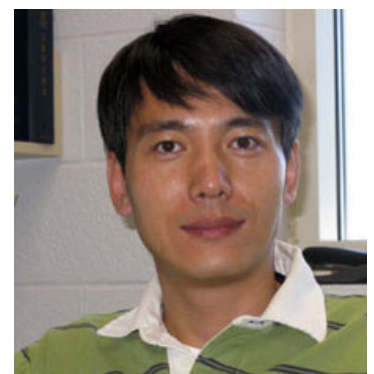
Congratulations

to Dr. Barbara Chaparro for being awarded the President's Distinguished Service Award & 2012 WSU Faculty Phenomenal Woman of the Year

Dr. Rui Ni Collaborates with the Chinese Academy of Sciences

At WSU, Human Factors students and faculty have access to a number of cutting edge tools for research. It is not everyday, however, that we are able to access equipment that allows researchers to explore how our brain operates during certain tasks. Dr. Rui Ni has spent the past summer in Beijing, China establishing the groundwork to do just this.

" This current project is just a start of my collaboration with my Chinese colleagues at the Institute of Biophysics, Chinese Academy of Sciences, Beijing. We are trying to investigate the neural mechanisms underlying the visual information processing when drivers are required to detect an imminent collision object during driving. The institute is equipped with a 3-T and a 7-T fMRI scanners (Cont on pg10)



Human Factors Internships

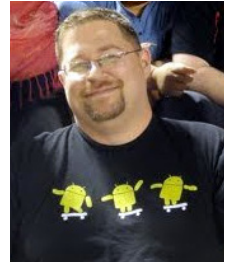
Jennifer Teves is currently on internship at Honeywell in Golden Valley, Minnesota. She is an intern for the Human



Factors Center of Excellence of the Automation and Control Solutions (ACS) Labs. The ACS group contributes to product lines in environmental controls, life safety, sensing, scanning, and mobility

products. Jen is involved in the design, conduction and analysis of HF studies for different businesses and products of Honeywell. She works with an interdisciplinary team that include engineering, customer support, business, and marketing employees, in addition to other HF researchers. Jen appreciates working for a company that values HF input and actually calls her team "Human Factors Research Scientists".

Justin Owens is serving his second consecutive summer internship at Google Analytics. This summer he is at the Mountain View, California location and performs qualitative user experience research on various Google Analytic features and tools. More (Cont on pg 12)



HF Program

(Cont from pg 4)

Nichole Morris investigating the effects of simulated cataracts on speech perception appeared in press. Samantha Jansen, a 3rd year graduate student is continuing this line of research and is investigating which individual differences variables (measures of visual, auditory and cognitive ability) predict a persons' ability to recognize speech in noisy conditions.

Dr. Evan Palmer continues to lead the Laboratory of Applied Visual Attention (LAVA), whose mission is to study the ways that modern technologies are changing our perceptual and attentional abilities. Current research projects include studying the beneficial effects of action video games on visual processing, the influence of non-monetary rewards (points and sound effects) on visual attention, visual search in e-commerce web pages, and the effects of media multitasking on visual processing. He is also collaborating with Children's Mercy Hospital in Kansas City to study the effects

of how individuals' multitasking styles interact with multitasking demands in various hospital departments. Dr. Palmer was awarded a contract to revise the website and supplementary materials for Sensation & Perception, 3rd Edition, by Sinauer Associates, Inc.

Dr. Rui Ni was awarded the 2011 LAS Summer Support Research Fellowship and 2012 URCA grant for work on driving and aging. Dr. Rui Ni recently started collaboration work with researchers in China investigating the neural mechanisms underlying the detection of imminent collision objects in driving using a state-of-art 7-T fMRI scanner. Two of his students gave presentations at international conferences (Vision Sciences Society) in 2012. Bobby Nguyen presented on 2D shape perception under reduced visibility conditions and Joel Persinger presented on motion-in-depth perception in stereopsis. Rui's lab will continue to work in collaboration with independent living facilities both in Wichita and in Beijing in the study of driving behavior and older adults.

Dr. Paul Ackerman continues to serve as the Assistant Chair of

the department and has been updating the department electronic database of all faculty grant activity and student information (including current, alumni, and prospective students). This provides the faculty, staff, and university administrators' access to critical information for a variety of departmental functions.

The HF Student Chapter once again acquired GOLD status from the national HFES organization. This group continues to remain very active and has plans to extend its membership to other departments across campus this year.

We are very pleased to welcome two new outstanding faculty to our Human Factors program – Dr. Joe Keebler and Dr. Jibo He. If you are attending the Human Factors conference in Boston in October, stop by our poster session advertising our program. Hope to see you there! ■



WSU HFES Student Chapter has achieved Gold Status for the fourth year in a row.

Community Program

The Community Psychology Doctoral program is considered one of the top community psychology programs in the country

This academic year was particularly outstanding with the awarding of six PhDs to Karen Countryman-Roswurm, Chris Kirk, Shelly Rowley, Justin Greenleaf, Nathan Swink and Dina Rodas-Elias. This exceptional group of graduates has jobs and post-doctoral fellowships in excellent universities and organizations across the county doing important work teaching, conducting research and practicing community psychology. Karen Countryman-Roswurm becomes an Assistant Professor in the WSU School of Social Work and Chris



Dr. Greg Meissen
Program Chair

Kirk begins a postdoc at Atlantic Health Systems, the largest health care provider on the east coast working with the Bill Neigher and

Congratulations

to Dr. Meissen for receiving the KHF Community Leadership Award & Distinguished Contribution to the Society for Community Research & Action

other community psychologists at Rutgers. Emporia State University hired Shelly Rowley as an Assistant Professor of Sociology and Justin Greenleaf is a new Assistant Professor of Leadership Studies at Fr. Hays State while Dian Rodas-Elias is an Assistant Professor of Community Psychology at the University of Miami. While awarding six PhD's two years in a row is outstanding for any graduate psychology program in the country, and especially at WSU, that achievement does not rival the quality and accomplishment of these graduates. (Cont on pg 7)

Kari Nilsen and Kyrrah Brown Extend the Program's Reach



Kari Nilsen and her advisor, Dr. Louis Medvene, were recently awarded one of two \$3,000 grants from the Wichita State University's Regional Institute on Aging to explore the social networks of older adults. This grant is for a term of 12 months, and was made possible by a gift from the Evelyn D. Cassat Estate. The grant will be a partnership between WSU, the Central Plains

Area Agency on Aging (CPAAA), and the Kansas Department for Aging and Disability Services (KDADS).

Kari, Dr. Medvene, and the Social Relationships Research Workgroup initially started looking at the social networks of older adults in the spring of 2011 (Cont on pg 11)

discovered they had a common interest in using the arts in community work through the Practice Council's Blog. The result was a posting series by Kyrrah and Katherine on arts-based research approaches to community based participatory research (CBPR). (Cont on pg 11)

Kyrrah Brown, is currently working at a national level on a project to highlight arts-based approaches in community psychology. Her work is in collaboration with Katherine Cloutier, a Community Psychology student from Michigan State University, and stems from involvement with the SCRA Practice Council. The two



Community Students Sharon Hakim & Kyrrah Brown at the SCRA Biennial in Chicago

Community Practica

Laura Herpolsheimer is serving her practicum the



Senior Services, Inc. here in Wichita, Kansas. She is currently completing an evaluation of

programs and services at four senior centers across the city of Wichita. This includes creating a documentation system that will provide quarterly and annual

reports at the push of a button, and implementing a training/sustainability procedure for continuing the evaluation process. The evaluation will ultimately provide Senior Services with data necessary for current and future funders. Laura enjoys interacting with a wide variety of staff, volunteers, and participants at four different sites. She believes this is the beginning of a great opportunity within a vibrant

non-profit organization.

Sharon Hakim has spent the past year working with the



Health and Wellness Coalition of Wichita. They are a group committed to

promoting nutrition and physical activity for people of all generations living in the Greater Wichita Area. (Cont on pg 12)

Comm. Program (Cont from pg 6)

The WSU Community Psychology Doctoral Program stood out at our national and international Community Psychology conference held in Barcelona in June. Students and faculty had a number of presentations and research posters. Our current students are dedicated, hard working and intellectually talented and are also involved in community psychology at a national level, state and local level. Sharon Hakim was a member of the Society for Community Research & Action (SCRA) Council of Education Programs and Dr. Rhonda Lewis is the Chair of the Council of Education Programs. Sharon is joined by Mike Lemke, Kyras Brown and Chris Kirk as active members of the SCRA Council on Community Psychology Practice. Kari Nilsen received a Graduate Student Research Award of \$3,000 by WSU's Regional Institute on Aging to study the social support networks of the elderly and Karen Countryman-Roswurm serves on the elite American Psychological Association Board for the

Advancement of Psychology in the Public Interest Task Force on Trafficking of Women and Girls. The faculty continues to be deeply involved in community psychology at the national level, state and local level. Dr. Rhonda Lewis is on the Executive Committee of SCRA and serves as the Chair of the SCRA Council of Education Programs. Dr. Greg Meissen is a founder and co-chair of the SCRA Community Psychology Practice Council which has done some excellent work including the launch of the new Global Journal of Community Psychology Practice and is collaborating with the Council on Education Programs to develop national competencies for community psychology. Dr. Lou Medvene among many other activities continues his research and community work on the development more effective and sustained caregiver and resident relationships particularly in long term care facilities which have impacts at the national and local level. Dr. Charlie Burdsal is dedicated to the students that work with him and the growth and excellence of our program and department. Dr. Burdsal and Chris Voegeli are working toward the

enhancement of our department through a series of surveys with undergraduate students, graduate students and alumni. While active at the national level, our students, alumni and faculty have an even greater impact in their own communities and in Kansas. We are involved in a decade of great promise for community based research and intervention which Kathleen Sebelius, Secretary of Health and Human Services, has called a time for a greatly enhanced community and public health. This is a great time for community psychology nationally and community psychology at Wichita State University. ■



Community graduate student, Ashlee Keele-Lien at the Recovery Conference.

Clinical Program

Congratulations to Drs. Just, Moreno, Reed, and Wachlarowicz!

Four of our senior students (Christi Just, Desirae Moreno, Andrea Reed and Marissa Wachlarowicz) successfully completed their clinical internships and defended their dissertations. Christi, Andrea, and Marissa have begun their careers at Prairie View and Desirae has joined ComCare. Our students continue to be successful in securing APA approved clinical internships. This year the match for next year went as follows:

- Britania Latronica-Wichita Collaborative Psychology Internship Program (Prairie View)
- Ron Partridge-Northwest Missouri Psychiatric Rehabilitation Center
- Blake Webster-VA Medical Center-Hampton, Virginia
- Ryan Leiker-Zephyrhills (Florida) Correctional Institution

We are pleased to introduce our incoming class: Rayna Herren (University of Oklahoma), Michael Pauldine (University of Michigan), Jeffrey Swails (University of the State of New York-Geneseo) and Lindsey Bupp (University of Arizona and MA Villanova). Welcome new students! We are pleased with the quality of students that we attract. We continued our new "Brown Bag" series last year. It remains to be an informal opportunity for students to try out new research idea, to share new methodology, work through knotty dissertation design issues, preview posters and talks, and so on.

One of our graduates, Jason



Dr. Deac Dorr
Program Chair

Deselms, Ph.D. of the Dole Veterans Administration, helped us establish a training and research agreement between the VA and the WSU psychology department. This agreement provides an administrative foundation for students in all three programs to develop educational ties to the VA.

Currently EJ Vondran is serving his community practicum rotation at the VA. This agreement opens up a wide range of opportunities for collaboration.

Several of our faculty were successful in securing grants and contracts. Dr. Snyder's program received grant support for Family Check Up from Sedgwick County, Child Start/Early Head Start.

Callie Brockman and EJ Vondran received commissions as Second Lieutenants in the United States Air Force which will help fund their graduate education. Upon receiving their Ph.D.s they will serve as Medical Officers in the Air Force. (Cont on pg 9)

Clinical Position

The Department of Psychology at WSU continues to seek a tenure-track Assistant Professor position for the academic year beginning in August, 2013.

Blake Webster Recognized for Excellence in Teaching

Blake Webster received a Commendation of Appreciation by the Student Government Association of Wichita State University this past May for excellence in teaching, being recognized as an "exceptional asset" to WSU.

Among other accolades, the resolution commends Blake on his positive perspective towards teaching by specifically projecting the attitude that everyone can succeed, being genuinely concerned with student performance at an individual level and counteracting the negative effects of the "self-fulfilling prophecy". It was also recognized that these attributes are vital to student retention and success at WSU. Blake credits his success to many of the faculty in the Psychology Department. "I have tried to blend Dr. Meissen and Dr. Matson in my approach, where (Cont on pg 9)



Clinical Internships

Britania Latronica is on internship through the Wichita Collaborative Psychology Internship Program (WCP/IP) serving primarily at Prairie View Regional Mental Health Center in Newton, Kansas. She primarily works with psychiatric inpatients, intensive outpatient programs and community mental health outreach. Britania likes being able to work with a wide range of ages and disorders and provides her experience working in both of her specialty areas: assessment and aging. Britania will be serving at

a secondary location later in her internship that will be determined in mid-August.

Blake Webster is serving his internship at the Veterans Administration (VA) in Hampton, Virginia. He is in the psychiatry department completing six different rotations dealing with primarily trauma-based services. His rotations include Post Traumatic Stress Disorder (PTSD), sexual trauma, homelessness, substance abuse, and mental health outpatient clinic. This

position offers Blake a variety of training in new areas by energetic well-informed staff. In addition to the professional advances the internship offers, also enjoys living in a high diversity neighborhood rich with culture that is located near the beach.

Other clinical internships *Ryan Leiker*, who is on internship in the Mental Health Unit at Zephyrhills Correctional Institution (ZCI) and *Ron Partridge*, who is at the Northwest Missouri Psychiatric Rehabilitation Center. ■

Clinical Program

(Cont from pg 8)

The WSU Student Government Association bestowed a Commendation of Appreciation on Blake Webster in recognition of his exceptional teaching. The Association commended Blake for his "love for his discipline, exceptionally positive attitude toward students, positive classroom environment, and genuine caring for student's success." Many congratulations Blake! ■



The Robert J. Dole Va Medical Center located on E. Kellogg Ave., Wichita, KS. The Psychology department and the Department of Veterans Affairs (VA) recently signed an Associated Health Education Affiliation Agreement.

Blake Webster

(Cont from pg 8)

students feel like you are having a conversation with them about something that will potentially make their lives better. I also use Dr. Palmer's organization in terms of strict deadlines, audio and visual clips, and emphasis on active learning. Also, Dr. Burdsal tells us that perceived quality of course is not strongly related

to difficulty level, so I've tried to ignore the idea that if I'm really conceptually sophisticated then "minds will be blown"; better to be a regular guy with a sense of humor."

When juggling teaching and the other tasks associated with graduate school, Blake finds that taking time for activities outside of school has been advantageous. "The Burnout literature shows that extra curricular activities are never more powerful in relieving stress

than when people are maxed out. It seems counterintuitive to add things to make the scheduling more manageable, but getting married, having a child, running, getting a dog, going to see Dr. Dorr, Dr. Zettle, Dr. Reiner just for support; these things are a must to stay sane." ■

Blake Webster is a Clinical student currently serving an internship in Hampton, Virginia.

Letter from Dr. Edmond Hauser

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Dr. Hauser provides a unique perspective on life before, during and after graduate school at WSU

“Following four years of service in the Air Force as an air traffic controller, I entered undergraduate school at Westmont College, a faith-based liberal arts college in Santa Barbara, California. I graduated in 1962 with a major in Literature.

Having discovered the joy of learning at Westmont, I decided to continue the pursuit and enrolled at the University of California, Long Beach, and earned an MA in English. With that preparation, I moved to Great Falls, Montana (where I had been discharged from the Air Force) and taught English for nine years at the College of Great Falls, a private liberal arts college. During this time I owned an airplane in partnership and was able to enjoy the discipline and freedom of movement, which such an enterprise affords.

During my undergraduate and first graduate studies, I supported myself by working on construction in the mid-West during summers

as a rigger, erecting laminated and solid wood beams, arches and trusses on roof structures.



Dr. Edmond Hauser at his home in Brady, MT.

Following my teaching years, I decided to enter the clinical counseling program at WSU. I completed the Master’s program in 1986. For several years I worked as an out patient therapist at High Plains Mental Health Center in Hays, Kansas. While there, the doctoral program in Human

Factors was approved at WSU.

Since my joy at learning remained undiminished, I applied to the program 1993 at age 60. Despite the age difference between the other graduate students and me, I seemed to fit in well, enjoying the comradeship of competitive studies as well as extra-curricular activities such as student parties. At that time there was much excitement among faculty and students as we worked together to make the program a success.

Field trips were of special interest to me. The trip to FAA Headquarters in Oklahoma City stands out from the others. Seeing the various experimental platforms, i.e., crash experiments with robots, escape procedures from a burning plane, and the numerous measurement techniques employed was an education in itself. For me the doctoral program was challenging at every level and I (*Cont on pg 12*)

.....

Dr. Ni

(*Cont from pg 4*)

which are dedicated to research. Over the last two years, I have spent most of my summer time working with researchers there, discussing the research hypothesis, designs, and set-up. Finally, this summer we put everything together and were able to run the pilot study. Starting the fall, once the students (our volunteers) come back to school, we will collect data at a full speed. The plan is to collect data from 20+ participants, each will run

a 1-hour experiment inside the scanner. The project on collision detection has been carried on at WSU for 4 years and we have successfully collected behavioral data. I hope this collaboration will help us to understand more about the operation of our brain during driving. In the future, we will run more driving studies and apply some research paradigms that are well established at WSU to the research projects in Beijing.”

Dr. Ni hopes to involve WSU students in the future. “We even discussed the possibilities that I can invite some researchers to visit WSU for a short period and send

my students to Beijing during the summer time. I believe this will further strengthen the scientific contribution and broaden the international impact of our HF program.”

The 3-T and 7-T are top of the line MRI scanners, with the 7-T being the next generation scanner for cutting-edge research. Currently, there are only 30 places in the world with 7-T scanners. ■

Dr. Ni is an Assistant Professor of Psychology in the Human Factors program and is interested in depth and distance perception, motion perception, and, aging and driving.

Nilsen

(Cont from pg 6)

and throughout the next year, focused their research particularly on frail elderly (age 65 and older) Medicaid home and community based care services (HCBS) recipients. Kari recognizes the importance of this work.

"This population is of particular interest because of the recent changes in the State of Kansas and in the Medicaid system. The State of Kansas is moving the site of care from long term care facilities, such as nursing homes, to the private homes of Medicaid eligible elderly persons. Also, starting in January 2013, Kansas is shifting the responsibility for this care to managed care companies. This policy shift is being driven by several goals, one of which is to reduce the cost to the state of providing care to Medicaid

eligible frail elderly persons. This is especially important given the anticipated demands of the "baby boom" generation, which is increasing the elderly population as this generation ages; beginning in 2011 and continuing until 2030, more than 10,000 Americans will turn 65 years old each day. This shift is also intended to provide care that promotes the best possible quality of life for elderly persons, and respects the preferences of many to remain in their homes. With this shift it is especially important to understand the social networks of HCBS customers' and how social functioning is related to their well-being and health."

Kari outlines the specific goal of the study is " [to] develop a research instrument that will be used to assess structure, function, and perceived quality of the social support networks of

HCBS customers and explore the interrelationships among these different aspects of their support networks." This study will be the first half of a larger research project. The second half of which will use the measures of social support networks developed to test linkages with the HCBS customers' physical and mental health outcomes. Other members of the Social Relationships Research Workgroup will also assist this research. This includes Dr. Louis Medvene, Rachel Smith, Amanda Runyan, Samuel Ofei-Doodoo from the Psychology department and Dr. Anthony DiLollo and Melissa Curry from the WSU Communication Sciences and Disorders (CSD) department. ■

Kari Nilsen is a 2nd year graduate student in the Community Psychology program.

Brown

(Cont from pg 6)

"Arts-based research practices (such as the use of literary arts, music, dance, drama, and film) not only represents the essence of CBPR, it creates the opportunity to explore, reflect on and promote dialogue about social issues. More importantly, the citizens involved in this process are able to express or produce their own representation of the issue at hand." CBPR involves praxis, community participation, co-production of knowledge and control, and an equitable distribution of power during the research process.

As Kyrah and Katherine finished up the posting series, they agreed they should turn this into a publishable document. "Similar to the purpose of the posting

series, this paper will discuss the role of arts-based approaches in community psychology research and practice, previous arts-based community research, and the strengths and weaknesses of arts-based research practices. The last (and most exciting) part of this manuscript will be a lessons learned section. This section will include community psychologists' lessons learned from using arts-based approaches in their work. Several weeks ago we sent out a request for lessons learned on several listservs and have been receiving a remarkable amount of responses and positive feedback."

Their goal is to show how important the arts can be as a powerful tool for social change in the community and to provide a resource for other students and researchers that are interested in this area. "This has been an amazing learning

experience. The WSU Community Psychology program certainly helped to position me for student involvement and leadership. The Community faculty has always been supportive and encouraged collaborations. I think the greatest thing that I've learned from the Department and SCRA is to not let your (perceived) inexperience hold you back from opportunities for learning and growth!" ■

Kyrah Brown, M.A., is a 3rd year graduate student in Community Psychology and a member of the Behavioral Community Research and Action Team.



HF Internships

(Cont from pg 4)

specifically, he addresses research questions and validates designs to help inform design and engineering efforts of user needs and perspectives. Justin is especially enthusiastic about working on products for such a remarkable company where research is highly demanded and where he can have a substantial impact on the tools that millions of people use.

Mandy Phelps is finishing up a 6-month internship at Dell (Parmer South Campus) in Austin, Texas. She is a researcher in the

Experience Design Group which is a part of the End User Computing UX & Insights Group. She works as a usability engineer testing a variety of software, hardware, and design



languages. At this time, she has completed four projects and has

several more in the making. Mandy enjoys the collaboration with her team and of that with the Enterprise Experience Design Group. Some highlights of her internship so far include meeting Michael Dell (founder and CEO of Dell, Inc.) and the abundance of intern functions the company offers to get to know other interns.

Dr. Alex Chaparro named as one of the top 150 Scientists

Congratulations to Dr. Alex Chaparro! He was one of seven Wichita State University faculty members to be recognized as some of the state's top 150 scientists by Ad Astra Kansas, an information resource focusing on high-tech and space research in Kansas.

Comm. Practica

(Cont from pg 7)

Healthy Communities Workgroup." Their goal was to examine how the built environment of the city contributes to residents' access to healthy foods and ability to exercise safely. They did this primarily through public meetings and community mapping techniques. In the fall, the workgroup will launch its "Safe Steps to School" initiative in partnership with local elementary schools.

Chris Voegeli is currently serving

his practicum at WSU performing undergraduate student needs

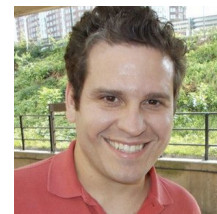


assessments and helping to conduct the annual alumni survey in the Social Science Research Lab. In this position, he

gains experience creating surveys, running various analysis and practice in qualitative research methods.

Michael Lemke worked with the American Trucking Associations in Arlington, VA, in the Policy and Regulatory Affairs Department,

where he focused on truck driver health. "I wrote a "white paper" prioritizing the best ways to advance driver health. I also created a survey of driver health and wellness programs and used that to build a template program for smaller companies. My favorite things about my



internship were learning firsthand about how the industry works at the government level and doing work that is directly related to my interests." ■

Dr. Hauser

(Cont from pg 10)

viewed it as a very positive and satisfying experience.

In retrospect, I can see some subtle connections among my air traffic control history, my rigging on construction, my operating a private plane, and my curiosity about how things

and people work. I suspect that these experiences from the past disposed me toward Human Factors.

After completing the program in Human Factors, I returned to my home near Brady, Montana. Here I continued to work in various counseling settings including corrections. I concluded my career doing volunteer seminars among

women prisoners at the Montana Women's Prison in Billings, Montana.

I am now retired and live in a country home on the high plains of Montana within sight of the Rocky Mountains and a short distance from where the movie "A River Runs Through It" was filmed." ■

Congratulations to last year's PhD graduates!

Human Factors

Chris Brown
Candace Gilmore

Community

Karen Countryman-Roswurm
Chris Kirk
Shelly Rowley
Justin Greenleaf
Nathan Swink
Dina Rodas-Elias

Clinical

Christy Just
Desire Moreno
Marissa Wachlarowicz
Andrea Reed

Welcome new graduate students!

Human Factors

Duy Nguyen
John Plummer
Christina Sui
Bradley Weber
Dustin Smith

Community

Heather Grohe
Hannah Krieg
Jamie LoCurto
J'Vonnah Maryman
Samuel Ofei-Dodoo

Clinical

Lindsey Bupp
Rayna Herren
Michael Pauldine
Jeffrey Swails

Recent Grants 2010-Present

Funding Agency/Organization	Project Title	Principal Investigator
Miscellaneous funders (textbook publishers, etc.)	Produce website content and supplementary materials for textbook: Sensation & Perception.	E. Palmer
Dell	Usability Analysis of Software	B. Chaparro
Motorola	Usability Analysis of Mobile Devices	B. Chaparro
Nuance	Usability Analysis of Mobile Devices	B. Chaparro
Department of Health and Human Services	Youth Empowerment Implementation Project	R. Lewis
General Atomics	UCS Human Machine Interface (HMI) Style Guide Support	A. Chaparro
Wichita State University	Age-Related Differences in Processing Optical Flow and the Use of Landmark Information in Steering Control under Reduced Contrast Conditions	R. Ni
Child Start Early Childhood Program	Head Start & Early Head Start Consultation and Training	J. Snyder
Sedgwick County	Family Checkup	J. Snyder
Wichita State University	Fidelity of Position and Trajectory Representations During Occlusion	E. Palmer
WSU, College of Engineering	Engineering Education in Middle and High School	B. Chaparro
Textron	Usability Testing of Software	B. Chaparro

Recent Publications: 2011-Present

- Andersen, G. J., Ni, R., Bian Z., Kang, J. (2011). Limits of Spatial Attention in Three-Dimensional Space and Dual-task Driving Performance. *Accident Analysis & Prevention, 43*, 381-390.
- Bond, F. W., Hayes, S. C., Baer, R. A., Carpenter, K. M., Guenole, N., Orcutt, H., Waltz, T., & Zettle, R. D. (2011). Preliminary psychometric properties of the Acceptance and Action Questionnaire – II: A revised measure of psychological inflexibility and experiential avoidance. *Behavior Therapy, 42*, 676-88.
- Brown, E., Low, S.M., Smith, B., & Haggerty, K. (2011). Outcomes from a school-randomized controlled trial of Steps to Respect: A school bullying prevention program. *School Psychology Review, 40*, 423-443.
- Branstetter, S., Low, S.M., & Furman, W. (2011). The influence of parents and friends on adolescent substance use: A multidimensional approach. *Journal of Substance Use, 16*, 150-160.
- Chaparro, B.S., Merkle, E. C., Fox, D. E., & Chaparro, A. (2011). Examination of the legibility of isolated characters of onscreen typefaces. *Information Design Journal, 19*, 28-45.
- Chaparro, B.S., Shaikh, A.D., Chaparro, A. & Merkle, E. C. (2011). Comparing the legibility of six cleartype typefaces to Verdana and Times New Roman. *Information Design Journal, 18*, 36-49.
- Dagne, G., & Snyder, J. (2011). Child emotion regulation during family interaction: Association with family emotional climate, early conduct problems and depressive behavior, *Development and Psychopathology, 23*, 211-223.
- Espelage, D., & Low, S.M. (2011). Bullying among children and adolescents: Social-emotional learning approaches to prevention. In K. Nader (Ed.), *School Rampage Shootings and Other Youth Disturbances: Early Preventive Interventions*. (pp. 205-220) New York: Routledge.
- Grosch, K., Medvene, L.J. & Walker, D. (2011) Using a measure of person-perception risks to identify outstanding home care workers. *Home Health Care Services Quarterly, 30*, 24-41.
- Kirk, C., Lewis, R.K., Lee, F., & Stowell, D. (2011). The Power of Aspirations and Expectations: The Connection Between Educational Goals and Risk Behaviors among African American Adolescents. *Journal of Prevention and Intervention in the Community, 39*, 277-288.
- Kirk, C., Lewis-Moss, R. K., Nilsen, C., & Colvin, D. (2011). The Role of Parent Expectations on Adolescent Aspirations. *Educational Studies, 37*, 89-99.
- Lann-Wolcott, H., Medvene, L.J. & Williams, K. (2011). Measuring the person-centeredness of caregivers working with nursing home residents with dementia. *Behavior Therapy, 42*, 89-99.
- Lee, F., Lewis, R., K., & Kirk, C., (2011). Sexual Attitudes and Behaviors of African American Adolescents. *Journal of Prevention and Intervention in the Community, 39*, 277-288.
- Lee, F., Lewis, R.K., Sly, J., Roberts, S., Carmack, C., & Basore, P. (2011). Promoting Positive Youth Development by Examining the Career and Educational Aspirations of African American Males: Implications for Educational Programs. *Journal of Prevention*. (In press).
- Lewis, R.K., Lee, F., & Kirk, C. (2011). Substance Use Among African American Adolescents in the Midwest. *Journal of Prevention and Intervention in the Community, 39*, 289-298.
- Low, S.M., Shortt, J.W. & Snyder, J. (Full text online Sept. 2011). The drift toward deviant behavior during the transition to adolescence: The contributions of youth disclosure, parenting, and older siblings. *Journal of Research on Adolescence, 22*, 65-79.
- Nguyen, B., Zhuo, Y., and Ni, R. (2011) Aging and The Steering Control under Reduced Visibility Conditions, Proceedings of the Sixth International Driving Symposium on Human Factors in Driver Assessment, Training and Vehicle Design, 447-453.
- Owens, J.W., Chaparro, B.S., & Palmer, E.M. (2011). Text advertising blindness: The new banner blindness? *Journal of Usability Studies, 6*, 172-197.
- Palmer, E.M., Fencsik, D.E., Flusberg, S.J., Horowitz, T.S., & Wolfe, J.M. (2011). Signal detection evidence for limited capacity in visual search. *Attention, Perception & Psychophysics, 73*, 2413-2424.
- Palmer, E.M., Horowitz, T.S., Torralba, A., & Wolfe, J.M. (2011). What are the shapes of response time distributions in visual search? *Journal of Experimental Psychology: Human Perception and Performance, 37*, 58-71.
- Paschal, A., Lewis-Moss, R. K., & Hsiao, T. (2011). Perceptions of Fatherhood and Parenting Behaviors among African American Teen Fathers. *Journal of Adolescent Research, 26*, 61-83.
- Roberts, S., Lewis, R.K., & Carmack, C. (2011). Positive Youth Development among African American Adolescents: Examining Single Parents as a Factor. *Journal of Prevention and Intervention in the Community, 39*, 310-319.
- Sly, J., Lewis, R.K., Roberts, S, Lee, F., Wernick, S., & Kirk, C. (2011). Assessing the Health Behaviors of African American Emerging Adults. *Journal of Prevention and Intervention in the Community, 39*, 333-345.
- Snyder, J., Low, S., Schultz, T., Barner, S., Moreno, D., Garst, M., Leiker, R., Swink, N., Schrepferman, L. (2011) The impact of brief teacher training on classroom management and child behavior in at-risk preschool settings: Mediators and treatment utility" *Journal of Applied Developmental Psychology, 32*, 336-345
- Tokuda, S., Obinata, G., Palmer, E. & Chaparro A. (2011). Quantifying Mental Workload Using Saccadic Intrusions (Second Report.) *Japanese Society of Automotive Engineering, 74*, 17-20.
- Wagener, A. L., & Zettle, R. D. (2011). Targeting fear of spiders with control-, acceptance-, and information-based approaches. *The Psychological Record, 61*, 77-92.
- Whitman, L., Jorgensen, M., & Chaparro, B. (2010). Virtual Factory Models: Do They Help Students Learn? Computers in Education, Jan-Mar 2010.
- Wood, J.M., Tyrrell, R.A., Marszalek, R., Lacherez, P., Chaparro, A. & Britt, T.W. (2011). Using biological motion to enhance the conspicuity of roadway workers. *Accident Analysis & Prevention, 43*, 1036-1041.
- Zettle, R. D., Rains, J. C., & Hayes, S. C. (2011). Processes of change in acceptance and commitment therapy and cognitive therapy for depression: A mediation reanalysis of Zettle and Rains. *Behavior Modification, 35*, 265-283.

Special Thanks

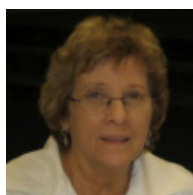
to Marci and Judy! Their work is essential to the success of the department. Feel free to contact them with updates.

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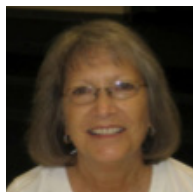
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