

Maintaining Agility in the Human Factors/ Ergonomics (HF/E) Job Marketplace

J. Christopher Brill

Old Dominion University

Norfolk, VA

Justin F. Morgan

Forensic Engineering Technologies

Lake Mary, FL

Christopher A. Monk

National Highway Traffic Safety

Administration (NHTSA)

Washington, D.C.

Haydee Cuevas

Embry-Riddle Aeronautical

University

Daytona Beach, FL



HFES Webinar Series



- Began in 2011
- Organized by the Education & Training Committee
- Topics drawn from results of survey of members' education & training needs; see <http://bit.ly/EducNeeds2013-results>
- See upcoming and past webinars at <http://bit.ly/HFESWebinars>
- Contact E&T Committee Chair, Beth Blickensderfer (blick488@erau.edu), if you'd like to suggest a webinar topic/speaker



HFES Webinar FAQ

1. There are no CEUs for this webinar.
2. **This webinar is being recorded.** HFES will post links to the recording and presentation slides on the HFES Web site within 3-5 business days. Watch your e-mail for a message containing the links.
3. Listen over your speakers or via the telephone.
If you are listening over your speakers, make sure your speaker volume is turned on in your operating system and your speakers are turned on.
4. All attendees are muted. Only the presenters can be heard.
5. At any time during the webinar, you can submit questions using the question panel. The moderator will read the questions following the presentations. The Q&A period will usually last 20-30 minutes.
6. If you are experiencing technical difficulties during the webinar, click the "Support" link at www.gotowebinar.com. HFES cannot resolve technical issues related to the webinar service.



Inspiration for this Webinar



About the Presenters

- Chief of the National Highway Traffic Safety Administration's (NHTSA) Human Factors/Engineering Integration Division
- Develops/coordinates research program on human factors of advanced safety and driver information systems, driver distraction and impairment
- Previous Positions:
 - Federal Highway Administration, Human Factors Team Lead
 - Assistant Professor of Psychology at George Mason University
 - Federal Contractor for FHWA and NHTSA
 - Human Factors Engineer for Automobile Manufacturer



Chris Monk, Ph.D.



About the Presenters

- Human factors consultant with Forensic Engineering Technologies, Lake Mary, FL
- Applies human performance and ergonomics principles to the investigation of traffic accidents, product claims, and premises losses
- Previous Positions:
 - Research Scientist, Battelle Memorial Institute
 - Senior Research Associate, Virginia Tech Transportation Institute



Justin Morgan, Ph.D.



About the Presenters

- Assistant Professor in the College of Aviation, Department of Doctoral Studies, at Embry-Riddle Aeronautical University, Daytona Beach, FL
- Over 15 years experience as HF researcher
- Primary areas of research include human-automation teams and situation awareness in individuals and teams
- Previous Positions:
 - Research Scientist at SA Technologies



Haydee Cuevas, Ph.D.



About the Presenters



Chris Brill, Ph.D.

- Assistant Professor for the Psychology Department at Old Dominion University
- Research focuses on multimodal displays, system trust, workload, and solving special perceptual problems, such as spatial disorientation, motion sickness, and sopite syndrome
- Previous Positions:
 - Assistant Professor, Michigan Technological University
 - Research Associate, U.S. Naval Aerospace Medical Research Laboratory, Pensacola, FL



Webinar Overview

- Opening remarks and personal insights from speakers
- Advice for current students who are about to enter the job market
- Advice for seasoned professionals who are looking for a change
- Q&A
- Closing remarks



Chris Monk's

Professional Journey and Insights





Justin Morgan's

*Professional Journey and
Insights*





Haydee Cuevas'

*Professional Journey and
Insights*





Chris Brill's
*Professional Journey
and Insights*



Maximum Agility in the Job Market: Advice for *Current Students*



**Chris
Brill**



**Chris
Monk**



**Haydee
Cuevas**



**Justin
Morgan**



Advice for While In School

- Realize your career starts the moment you start school. Be nice! Be professional!
- Gain research experience
- Publish
 - Even if you are not going into a publication-driven field
- Gain applied experience and develop a portfolio
- Build your network
- Be flexible and open to any number of career-building experiences, even if they don't pay (they will...)



Maximum Agility in the Job Market: Advice for *Established Professionals*



**Chris
Brill**



**Chris
Monk**



**Haydee
Cuevas**



**Justin
Morgan**



Advice for Established Professionals

- Seek out professional development
- Remain involved in the professional community
- Expand professional networks, new collaborations
- Develop leadership skills and prove yourself in leadership roles through tangible accomplishments
- Know your audience (end user)

	Big Corp	Small Corp	Consulting	Academia	Fed Gov.
Security	High	Medium	None	Low then High	High
Continuity	Low	Low	Low	Highest	Highest
Advancement	High	High	Mix	Low	Medium
Salary	Mix	Mix	Highest	Low	Medium
Benefits	Best	Varies	Varies	Varies	Good
Variety	Can be Low	Some	Can be high	High	Low
Autonomy	Low	Medium/High	Very High	Very High	Very Low
Prof. Opps	Varies	Varies	Good	Depends	Medium
Politics	High	High	Low/High	High	High
Res./Pract.	Can do both	Mostly Pract.	Mostly Pract.	Research	Mostly Research
Org. Culture	More structure	More informal	Depends	Structured	More structure
Location	Urban areas	Industry Spec.	Anywhere	All over	Many in DC, but Variable
Travel	Fairly high	Variable	High	Medium	Variable



Q&A with the Panelists



**Chris
Brill**



**Chris
Monk**



**Haydee
Cuevas**



**Justin
Morgan**

Any Questions?

For more information, contact:



Chris Brill
jcbrill@odu.edu



Haydee Cuevas
HaydeeMaria.Cuevas@erau.edu



Chris Monk
chris.monk@dot.gov



Justin Morgan
justin.morgan@fet-eng.com