

## Education

Ph.D. Cognitive Psychology, Claremont Graduate University, 2008

M.A. Human Factors, California State University Northridge, 1993

B.A. Psychology, California State University Northridge, 1987

## Employment

Executive Director (2004 to present), Research Psychologist (1995 to present)  
Southern California Research Institute  
(310) 390-8481

Research Psychologist (2006-Present)  
DF Consulting  
8115 Mammoth Avenue, Van Nuys, CA 91402  
(818) 430-3279

## Selected Publications & Reports

Bishop, S. C., Johnson, G., Smith, L., D. D. Fiorentino, Garcia, T., Garcia, R., Breyer, C., & Loomis, W. D. (2009). Manual versus automatic sampling variations of a preliminary alcohol screening device. *Journal of Analytical Toxicology*, *33*, 521-524.

Blomberg, R. D., Peck, R. C., Moskowitz, H., Burns, M., & Fiorentino, D. (2009). The Long Beach/Fort Lauderdale relative risk study. *Journal of Safety Research*, *40*, 285-292.

Fiorentino, D. D. (2008). Cognition, but not sensation, mediates age-related changes in the ability to monitor the environment. *Psychology and Aging*, *23*, 665-670.

Fiorentino, D., Cure, M., & Kipper, J. (2007). *Programs across the United States that aid motorists in the reporting of impaired drivers to law enforcement* (Report No. DOT HS 810-750). Washington, DC: US National Highway Traffic Safety Administration.

- Park, G. D., Rosenthal, T. J., Cook, M., & Fiorentino, D. (2007). Simulator assessment of older driver proficiency. *Compendium of Papers of the 86<sup>th</sup> Annual Meeting of the Transportation Research Board*, Paper No. 07-3142.
- Fiorentino, D. D., Berger, D. E., & Ramirez, J. R. (2007). Drinking and driving among high-risk young Mexican-American men. *Accident Analysis and Prevention*, 39, 16-21.
- Fiorentino, D. (2006). The study of drug effects on driving. In M. Burns (Ed.), *Medical-Legal Aspects of Drugs 2<sup>nd</sup> Edition*. Tucson, AZ: Lawyers & Judges Publishing Company.
- Park, G. D., Allen, R. W., Rosenthal, T. J., & Fiorentino, D. (2005). Training effectiveness: How does driving simulator fidelity influence driver performance? *Proceedings of the 49<sup>th</sup> Annual Human Factors and Ergonomics Society*, 2, 2201-2205.
- Blomberg, R., Moskowitz, H., Burns, M., Peck, R. & Fiorentino, D. (2005). *Crash Risk of Alcohol Impaired Driving*. Retrieved August 8, 2006, from <http://www.dunlapandassociatesinc.com/crashriskofalcoholinvolveddriving.pdf>
- Park, G. D., Rosenthal, T. J., Allen, R. W., Fiorentino, D., & Viirre, E. (2004). Simulator sickness results obtained during a novice driver training study. *Proceedings of 48<sup>th</sup> Annual Human Factors and Ergonomics Society*, 2, 2652-2656.
- Allen, R. W., Park, G., Cook, M., Rosenthal, T. J., Fiorentino, D., & Viire, E. (2003). Novice driver training: Results and experience with a PC based simulator. *Proceedings of the Second International Driving Symposium on Human Factors in Driver Assessment, Training, and Vehicle Design*, 165-170.
- Compton, R., Blomberg, R., Moskowitz, H., Burns, M., Peck, R. & Fiorentino, D. (2002). Crash risk of alcohol impaired driving. *Proceedings of the 16th International Conference on Alcohol, Drugs and Traffic Safety*, Montreal, Quebec, Canada.
- Ferguson, S., Burns, M., Fiorentino, D., Williams, A. F., & Garcia, J. (2002). Drinking and driving among Mexican American and non-Hispanic white males in Long Beach. *Accident Analysis and Prevention*, 34, 429-437.
- Stuster, J., Burns, M., & Fiorentino, D. (2002). *Evaluation of the Highway Safety Impact of Open Container Laws*. US Department of Transportation, National Highway Traffic Safety Administration Final Report, Washington, DC, DOT-HS-809-426.
- Burns, M., Fiorentino, D. and Stuster, J. (2000). The observational threshold of horizontal gaze nystagmus. *Proceedings of the 15th International Conference on Alcohol, Drugs and Traffic Safety*, Stockholm, Sweden.

- Moskowitz, H., & Fiorentino, D. (2000). *A review of the literature on the effects of low doses of alcohol on driving-related skills* (Report no. DOT HS 809 028). Washington, DC: US National Highway Traffic Safety Administration.
- Moskowitz, H., Burns, M., Fiorentino, D., Smiley, A., & Zador, P. (2000). *Driver characteristics and impairment at various BACs* (Report no. DOT HS 809 075). Washington, DC: US National Highway Traffic Safety Administration.
- Fiorentino, D., & Parseghian, Z. (1997). Time-To-Collision: A sensitive measure of driver interaction with traffic. *Proceedings of the 41<sup>st</sup> Annual Human Factors and Ergonomics Society, 1*, 1028-1031.
- Moskowitz, H., Fiorentino, D., & Burns, M. (1997). Ethanol clearance rate as a function of age, gender, and drinking practice. *Proceedings of the 14th International Conference on Alcohol, Drugs and Traffic Safety*. Annecy, France.
- Fiorentino, D. (1997). A laboratory study of passive alcohol sensors. *Proceedings of the 14th International Conference on Alcohol, Drugs and Traffic Safety*. Annecy, France.
- Fiorentino, D., & Burns, M. (1996). Fitness-For-Duty testing: Status, challenges and opportunities. *Proceedings of the 40th Annual Human Factors and Ergonomics Society, 1*, 559-563.

## Conferences

- Fiorentino, D. (2007, August). *Cultural differences in drinking and driving*. Presentation conducted at the joint meeting of the International Council on Alcohol, Drugs and Traffic Safety and The International Association of Forensic Toxicologists, Seattle, WA.
- Fiorentino, D. (2007, August). *Alcohol and crash risk: Experimental and epidemiological evidence*. Symposium conducted at the joint meeting of the International Council on Alcohol, Drugs and Traffic Safety and The International Association of Forensic Toxicologists, Seattle, WA.
- Fiorentino, D. (2007, January). *Drinking and driving among high-risk young Mexican-American men*. Paper presented to the Alcohol, Drugs, and Transportation committee at the 86<sup>th</sup> annual meeting of the Transportation Research Board, Washington, DC.
- Fiorentino, D. (2006, January). The effects of simulator fidelity on simulator measures. In Y. Papelis (Chair), *Standardized driving simulator performance measures*. Seminar presented at the 85<sup>th</sup> annual meeting of the Transportation Research Board, Washington, DC.

Fiorentino, D. (2005, October). *Recent developments in alcohol research*. Seminar conducted at the Fall 2005 Seminar of the California Association of Criminalists, Los Angeles, CA.

Fiorentino, D. (2005, January). Study approach and methods. In R. Compton (Chair), *Crash risk of alcohol-involved driving*. Paper presented at the 84<sup>th</sup> annual meeting of the Transportation Research Board, Washington, DC.

Fiorentino, D. (2003, May). Socio-cultural mechanisms of DUI in Mexican-American males. In D. Fiorentino (Chair), *Drinking and driving in the Mexican-American community*. Symposium conducted at the 83<sup>rd</sup> annual convention of the Western Psychological Association, Vancouver, Canada.

Burns, M., & Fiorentino, D. (2002, October). *Low-level alcohol impairment*. Paper presented at the 50<sup>th</sup> fall meeting of the California Association of Criminalists, Huntington Beach, CA.

Fiorentino, D. (2000, March). *The effects of low blood alcohol concentration on performance*. Paper presented at the First Virginia Beach Police Department DUI Conference, Virginia Beach, VA.

Fiorentino, D. (1999, June). *A cash study: The Long Beach experience*. Paper presented at the 5<sup>th</sup> Annual IACP DRE conference, Minneapolis, MN.

Fiorentino, D. (1997, September). *Change in driving skills as a function of age*. Poster session presented at the 41<sup>st</sup> annual meeting of the Human Factors and Ergonomics Society, Albuquerque, NM.

Fiorentino, D. (1996). *Fitness-For-Duty testing*. Paper presented at the annual meeting and expo of the American Public Transit Association, Anaheim, CA. 1996.

Burns, M & Fiorentino, D. (1996). *Fitness-For-Duty testing*. Paper presented at the 40th Annual Meeting of the Human Factors and Ergonomics Society, Philadelphia, PA.

## Media

The New York Times. “Drunk driving: Is the glass half empty?” article posted online on 4/27/2010.

Star Tribune. “Sober? Don’t try to guess” article printed on 2/13/2010.

KOMU-TV8 (NBC Affiliate, Columbia, MO). “Boats, Booze, and the Badge—Part 2” segment aired locally on 2/13/2008.

KOMU-TV8 (NBC Affiliate, Columbia, MO). “Boats, Booze, and the Badge—Part 1” segment aired locally on 2/12/2008.

Today’s News-Herald. “Lake Havasu Included in OUI Study” article printed on 8/3/07.

KOMU-TV8 (NBC Affiliate, Columbia, MO). “Sobriety on the Water” segment aired locally on 7/25/07.

NHTSA/USAA. “Too Impaired to Drive?” a video describing the effects of blood alcohol concentrations of 0.04% and 0.08% on driving skills.

ABC News 20/20. “Women and Alcohol” segment filmed in San Francisco on 10/24/98 and aired nationally on 1/20/99.

The Century Council. “Alcohol 101”, an Internet-based computer program aimed at educating college-age young adults on the effects of alcohol.

The Century Council. “The BAC Educator”, a computer program which calculates the resulting blood alcohol concentration (BAC) as a function of gender, weight, number and type of drinks consumed, and drinking time.

## Funding

National Academy of Sciences (2010), “Operator Drug and Alcohol Testing Across Modes”, \$30,000.

University of Iowa National Advanced Driving Simulator (2007-2009), “Advanced Vehicle-Based Countermeasures for Alcohol-Related Crashes”, \$45,000.

U.S. Coast Guard (2007-2009), “Validation of Standardized Field Sobriety Tests for Use in the Marine Environment”, \$596,000.

Gauntlet Technology Systems, LLC. (2006), “Evaluation of the Gauntlet System’s Detection of Impairment from Blood Alcohol Concentrations between 0.05 g/dL and 0.02 g/dL”, \$30,000.

Bedford Research (2005), “Determine the Effectiveness of Flexible Checkpoints”, \$19,327.

National Safety Council (2005), “Prepare Case Studies of Selected Programs to Aid Drivers in Reporting Impaired Drivers to Law Enforcement”, \$48,640.

Systems Technology, Inc. (2003-2005), “Computer Procedures for Testing Older Driver Capabilities”, \$225,000.

National Highway Traffic Safety Administration (2003-2004), “DRE Support, Parametric Data Collection on Pupil Size, Blood Pressure, and Pulse Rate in Support of the Drug Evaluation and Classification Program”, \$262,000.

Systems Technology, Inc. (2002-2003), “A PC Based Low Cost Simulator for Drivers Education”, \$150,000.

National Highway Traffic Safety Administration (2000-2001), “Evaluation of the December 2000 Alcohol Mobilization Law Enforcement Efforts”, \$54,000.

National Highway Traffic Safety Administration (1999-2002), “Evaluation of New Recruits’ Use of Passive Sensors”, \$238,000.

## **Professional Memberships**

American Psychological Association

Committee on Alcohol, other Drugs, and Transportation of the Transportation Research Board

Human Factors and Ergonomics Society

International Council on Alcohol, Drugs & Traffic Safety

Western Psychological Association

## **Editorial Activities**

Accident Analysis and Prevention

Journal of Gerontology: Psychological Sciences

## **Languages**

Fluent in English, Italian, and Spanish