

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

Research Psychologist (January 2006-Present)

DF Consulting

8115 Mammoth Avenue, Van Nuys, CA 91402

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Executive Director (January 2004 to May 2010)

Research Psychologist (May 1995 to December 2004)

Southern California Research Institute

7065 Hayvenhurst Avenue

Van Nuys, CA 91406

Selected Publications & Reports

Fiorentino, D. D. (2011). Validation of sobriety tests for the marine environment. *Accident Analysis and Prevention*, 43, 870-877.

Fiorentino, D. D., Jimenez, D. D., & Dietel, B. M. (2011). Development of sobriety tests for the marine environment. *Compendium of Papers of the 90th Annual Meeting of the Transportation Research Board*, Paper No. 11-1464.

Lee, J. D., Fiorentino, D., Reyes, M. L., Brown, T. L., Ahmad, O., Fell, J., Ward, N., Dafour, R. (2010). *Assessing the feasibility of vehicle-based sensors to detect alcohol impairment* (Report No. DOT HS 811-358). Washington, DC: National Highway Traffic Safety Administration.

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 86th 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 2nd Edition*. Tucson, AZ: Lawyers & Judges Publishing Company.
- Park, G., Cook, M. L., Allen, R. W., & Fiorentino, D. (2006). Automated assessment and training of novice drivers. *Advances in Transportation Studies, an International Journal*, Special Issue, 75-86.
- 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 49th 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 48th 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 41st 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. (2011, January). *Development of sobriety tests for the marine environment*. Paper presented at the 90th annual meeting of the Transportation Research Board, Washington, DC.

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 86th 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 85th 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 84th 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 83rd annual convention of the Western Psychological Association, Vancouver, Canada.

Burns, M., & Fiorentino, D. (2002, October). *Low-level alcohol impairment*. Paper presented at the 50th 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 5th Annual IACP DRE conference, Minneapolis, MN.

Fiorentino, D. (1997, September). *Change in driving skills as a function of age*. Poster session presented at the 41st 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. "Should we BAC down?" article posted online on 5/20/2010.

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