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Education and Employment.

2005 – present. *Professor*, Department of Communication, University at Buffalo.
   Director and founder, Communication Science Center.
   Chair, Department of Communication, 2015-2021.
   Faculty Athletic Representative (2021-present)

1996-2005. *Associate Professor,* Department of Communication, Rutgers University, New Brunswick, NJ. *Tenure granted 4/13/02.*

1992-96. *Lecturer,* University of New South Wales, Australia; School of Psychology. *Tenure granted 2/8/95.*

1989-92. *Postdoctoral research fellow,* University of California, San Francisco, Medical School; Psychiatry Department.

1989. Ph.D., *Social psychology*, Cornell University, Ithaca, NY.

1983. B.A. *cum laude*, Psychology, SUNY at Buffalo.

Professional Experience and Membership.

Member: Senior Fellow, *FBI Terrorism Research and Analysis Project*; International Communication Association; National Communication Association; American Psychological Society; American Psychological Association; Buffalo-Niagara Area Maritime Security Committee; FBI Citizen's Academy.

Consulting Editor: Journal of Personality and Social Psychology (1998-2005). *Journal of Communication* (2007-*2012*); *Communication Research* (2003 – 2005).

Ad hoc reviewer: National Science Foundation, Defense Threat Reduction Agency, Office of Naval Research, *Communication Theory, Journal of Nonverbal Behavior, The Proceedings of the British Royal Society: Biological Sciences, Developmental Psychology, Psychophysiology, Motivation & Emotion, Addiction, Journal of Applied Social Psychology, Journal of Group Decision Making, Evolution & Human Behavior, Emotion, Personality & Individual Differences, Personality and Social Psychology Bulletin; Psychological Science; Community and Applied Social Psychology, Journal of Experimental Social Psychology, Canadian Journal of Behavioural Science; Cognition & Emotion,* Australian Research Council, McGraw-Hill, Oxford Press,

Certification: Interviewing instructor; Advanced Training Bureau, LA Sheriff's Dept.
   Interviewing instructor; Federal Bureau of Alcohol, Tobacco, & Firearms.
   Guest instructor; US Federal Law Enforcement Training Center.

Awards/Honors.

2025. *Top poster award. Rochester Institute of Technology Student Communication Conference (April 3, 2025).* Reference*:* Neurohr, M., Frank, M. G., & Hahn, L. (2025). *The blueprint for school shooters: Investigating the emotional motivation behind the Columbine High School shooting using the ANCODI hypothesis.* Poster presented at the Rochester Institute of Technology Student Communication Conference.

2021. *Top student paper award.* Nonverbal Communication Division, National Communication Association Convention (Seattle, WA, November 18-21). Reference: Glowacki, Z. R., Frank, M.G., & Neurohr, M. (2021). *Do we like honest signal givers? An evolutionary lens comparing different facial displays of disgust on various traits*.

2021. *Top paper award,* Nonverbal Communication Division, 112th Annual Eastern Communication Association Convention (virtual; March 24-28). Reference: Glowacki, Z.R., Frank, M.G., Carr. Z. M. (2021). *Men and Women Differ on their Perceptions of Liars and Truth-tellers: An Examination of Spontaneous Microexpressions.*

2020. *Best Paper Award*, Nonverbal Communication Division, 106th National Communication Association Annual Convention (virtual), November 19-22, 2020 (co-author, with senior author Zachary Glowacki, and co-authors Srirangaraj Setlur and Wenyao Xu. Title: *Microexpressions in Social Interactions: Implications to Deception, Emotion, and Trait Characteristics.*

2017. Kenmore East High School *Hall of Distinction*. May 12, 2017.

2016. *2016 State University of New York Chancellor's Award for Excellence in Scholarship and Creative Activities*. NY State-wide award.

2015. *Best Paper Award,* Intercultural Communication Interest Group; 106th Annual Eastern Communication Association Convention, April 22-26, 2015 in Philadelphia, PA (co-author; senior author Darrin J. Griffin). Title: *Deliberation of Schemas for Veracity Between an Auditory and Visual Speech Community: Exploring Deception Beliefs in the Deaf and Hearing*

2015. *Certificate of Appreciation,* Transportation Security Administration, Department of Homeland Security, Behavior Detection Program. April 7, 2015.

2015. *Faculty Honorary Coach* (Basketball program). January 17, 2015.

2014. *Twelve amazing discoveries at UB for 2014.* A computer that spots deception.

2013. *Recognition of Distinguished Service*, Supreme Court of Florida, May 5, 2013.

2011. *Certificate of Appreciation*, US Secret Service, March 16, 2011.

2011. *Certificate of Award*, Israeli Polygraph Association. Dead Sea, Israel, February 3-5, 2011.

2010. *Certificate of Appreciation*, Transportation Security Administration, Department of Homeland Security, July 7, 2010.

2010. *Visionary Innovator Award*, University at Buffalo Office of Science, Technology Transfer and Economic Outreach (STOR). March 15, 2010.

2010. *Recognition of Distinguished Service*, Supreme Court of Florida, May 28, 2010.

2009. *Certificate of Appreciation*, combined Western NY Law Enforcement and US Attorney's office, August 10, 2009.

2007. *Speaker's Award.* American Polygraph Association, New Orleans, LA.

2006. *Certificate of Appreciation*, Federal Bureau of Investigation, for efforts related to the FBI's Counter-Terrorism Mission (Buffalo, NY, September, 2006).

2006. *Speaker's Award,* National Security Agency/Maryland Polygraph Association. May 5, 2006.

2005. *The Rutgers Class of 1962 Award for Excellence in Public Service.* (A State-wide award for uncompensated service to the State of New Jersey).

2005. Rutgers University SCILS *Excellence in Service Award*.

2005. Rutgers University Communication Department *Service Award*.

2004. *Certificate of Recognition,* UK Counter-terrorism & Transport, Uxbridge, UK, May 8, 2004.

2004. Rutgers University School of Communication, Information, and Library Studies (SCILS) *Excellence in Research Award*.

2003. Rutgers University School of Communication, Information, and Library Studies (SCILS) *Excellence in Research Award*.

2003. Rutgers University Department of Communication *Research Award.*

2002. Certificate of appreciation, Singapore Police.

2002. Recognized by Sigma Phi Epsilon at Rutgers as an *Outstanding Professor*.

2002. Rutgers University <u>SCILS</u> *Excellence in Public Service Award*.

2002. Rutgers University <u>Communication Department</u> *Service Award*.

2000. Recognized by Rutgers <u>Epsilon Psi/Delta Gamma</u> as an *Outstanding Professor*.

1999. Rutgers University SCILS *Excellence in Teaching Award*.
1999. Rutgers University <u>Communication Department</u> *Teaching Award*.

1997. Los Angeles Sheriff's Department *Certificate of Appreciation*.

1989-92. National Institute of Mental Health: *National Research Service Award*.

<u>*Grants.*</u>

External.

2025-2028. NIH. *Project proposal: Applications of AI to understand interpersonal dynamics during parent-adolescent discussion about alcohol and predicting early stages of adolescent drinking.* P60 Center Grant Application: Leveraging AI to understand etiology and treat and prevent problem alcohol use. PI C. Colder. Co-I (under review)

2025-2028. NIJ. *BSU Foundation Project - Defining a 360-based Approach to Confronting Hate Crimes Through Police Prevention, Prediction, and Prepared Response. NIJ FY24 O-NIJ-2024-171949* ($1,000,000). Key personnel/Consultant (declined).

2025-2030. NIJ. *BSU Foundation Project - NIJ FY24 Domestic Radicalization and Violent Extremism Research Center of Excellence Opportunity Number: O-NIJ-2024-171923.* ($7,000,000) Consultant. (declined).

2024-2028. NSF. *GCR: Convergence structural self-sensing science and technology for wide societal impacts in buildings, transportation, energy and border security.* Co-PI. ($3,600,000) PI: D. Chung (declined).

2024-2026. IARPA. *VoxChameleon: Unlocking the power of disentanglement and latent space editing.* ($7,500,000). Key personnel. PI V. Govindaraju (declined).

2023-2027. National Science Foundation. *National Artificial Intelligence (AI) Research Institutes proposal to establish an AI Institute for Transforming Education for Children with Speech and Language Processing Challenges.* Award DRL-2229873 ($20,000,000). Co-I. PIs V. Govindaraju & J. Xiong.

2020-2021. National Science Foundation/Department of Homeland Security. *Understanding (and Mitigating) the Public Concerns in Biometric Authentication. CITeR program award* CNS-1822190 ($60,000). Co-PI. PI W. Xu and S. Setlur.

2019-2020. National Science Foundation. *Developing a benchmark dataset for automatic detection of facial expressions.* CITeR program award. CNS-1822190 ($40,000). PI. With Co-PI's W. Xu and S. Setlur.

2017-2022. National Science Foundation. *Deceit and Interactional Synchrony In Different Social Constellations.* PI. Award BCS-1651118 ($318,525).

2012-present. NSF CITeR application team. *CITeR is a joint industry/university initiative. CITeR membership status awarded to UB in summer 2013.* PI, Venu Govindaraju.

2008-16. Procter & Gamble Company. *Emotion and preferences.* PI; ($231,000).

2009-14. US Air Force Research Institute, MINERVA program. *Studies of Terrorist Organizations and Ideologies: Emotions and Intergroup Relations.* Co-PI with D. Matsumoto ($1,897,481, PI on Buffalo subcontract $400,000).

2011-12. Combating Terrorism Technical Support Office. *Empirical Evaluation of AFERS.* (PI on Buffalo Subcontract; $175,000).

2010-13. US Army Night Vision Lab. *A System to Analyze Facial Features to Enable Operator Condition Tracking (AFFECT).* Phase II SBIR, ($800k; PI on Buffalo subcontract of $277,615).

2007-11. National Science Foundation. *IED and Related Threats: Deceit Indication Through Person Specific Behavioral Dynamics* Co-PI with V. Govindaraju. ($826,000) Award CBET-0731115.

2006-08. Office of Naval Research, *Remote measures in a checkpoint screening II: Development of new contexts and countermeasures.* Award N00014-06-1-0600; PI ($250,000).

2006-08. Center for the Advanced Study of Language, University of Maryland. . *Detecting deception in interviews.* PI; TTO-402 ($256,116).

2006-08. Department of Homeland Security. *Deception Detection Research and Development Support.*   Funded through ITT Industries. PI; ($720,000).

2005-07. Department of Homeland Security. *Detection Research and Development Support.* Funded through ITT Industries, PI; ($814,286).

2005-08. National Science Foundation. *CRI: Collaborative Research: Automated facial measurement Toolbox and database.* Award CNS-0454183; PI with J. Movellan & M. S. Bartlett, UC San Diego ($400,000).

2005. National Science Foundation. *Workshop: Behavioral Aspects of Security.* Award BCS-0534183; PI ($54,270).

2004-06. Department of Homeland Security. *Detecting deception in a counter-terror paradigm.* Award ITT-04-025 PI; ($500,000).

2003-05. Office of Naval Research. *Remote measures in the detection of deception in a counter-terror situation.* Award N00014-03-1-0847 PI; ($384,292).

2003-05. Office of Naval Research. *Robust face recognition from a high stakes paradigm.* Award N0014-02-1-0709 PI; ($859,000).

2002-04. National Science Foundation. *Collaborative Research: ITR: Automatic Analysis of Spontaneous Facial Expressions*. Award IIS-0220230, *Co-PI* with J. Movellan & M. Bartlett, UC San Diego ($500,000).

2001-02. Bureau of Alcohol, Tobacco, & Firearms. *Analyzing nonverbal behaviors in high stake situations: A continuation.* PI. ($32,402).

2000-01. Central Intelligence Agency. *Automating facial detection.* PI ($21,000).

1998-99. Bureau of Alcohol, Tobacco, & Firearms. *Analyzing nonverbal behaviors in high stake situations.* PI. ($16,900).

1995.   Australian Research Council. *Individual differences in the ability to appear credible during high stake deception situations. PI.* ($10,000).

1993-94. Australian Research Council: *Separating the good from the bad detectors of concealed emotion: A test of the nonverbal flexibility hypothesis. PI.* ($24,500).

1993-94. Australian National Police Research Unit: *Individual and organizational influences on behavior: Improving selection and training of police. Co-PI.* ($78,000).

Internal.

2019. University at Buffalo Graduate School. *Micro credential development for the Department of Communication*. ($50,000).

2003. Teaching Assistance Program Development Grant.   ($400).

2001. RU Multicultural Grant. *Diversity in the classroom*. C*o-PI* M. Winston ($2,999).

2000. Rutgers Initiative on Diversity. *New approach to teaching diversity. Co-PI* w/ M.Winston ($1,800).

2001. SCILS Research Development Committee: *Detecting deception and the Police.* ($1,088).

2000. SCILS Research Development Committee: *Gathering nonverbal behaviors in high stake interviews*. ($1,367).

1997-98. Rutgers University Research Council. *Isolating the dynamics of facial expressions.* ($2,100).

1996-97. Rutgers University Research Council. *Identifying facial markers of negative emotion.* ($3,000).

1993-94. Research Grant, University of New South Wales: *Emotion & expression.* ($7,235).

Technical Disclosures/Patents/Inventions/Manuals/Training Tools:

The Psychology of Lying and Deception (2025). Continuing Legal Education accredited Workshop, co-sponsored by US Federal Judiciary, via *MyLawCLE*, May 9, 2025.

Inside the mind of a con artist (2022). Featured expert on 6-part documentary series on Curiosity stream service, and available world-wide. Topkapi Productions.

Understanding Nonverbal Communication (2016). 12 x 30 minute lectures in the *Great Courses* series, by the Teaching Company.

D-FACT: (2009). *Demeanor-Facial Action Coding Tool* (a system for searching coded video databases). University at Buffalo Technology Disclosure **#R-6430.** June, 2009.

CERT: (2014). *Computer Expression Recognition Tool* (a system for automated, real time facial action coding). University at Buffalo Technology Disclosure **#R-6232; *US Patent No. 8,798,374: Automated facial action coding system. Awarded August 5, 2014.***

Ekman, P., Matsumoto, D., & Frank, M. G. (2003). *Micro Expression Training Tool* (v1). CD ROM self-instructional training tool for recognizing emotion.

Frank, M. G., Perona, P., & Yacoob, Y. (2002). *Automatic extraction of facial action codes.* Technical report and prospectus, Central Intelligence Agency.

Publications.

Solbu, A., Glowacki, Z. R., Frank, M.G., & Loh, S.C.K. (*under review*) Indirect advantage in judging deceit when the lie detector is turned off. *Journal of Nonverbal Behavior.*

Glowacki, Z. R., Frank, M.G., & Lee, D. S. *(under review).*The power of smiles: Smile duration and personality shape perceptions. *Acta Psychologica*

Glowacki, Z. R., Frank, M. G., Xu, W., Setlur, S., Xu, C., & Glowacki, C. R. (*in press)*. Do we like honest signal givers? Macro and micro expressions of disgust. *Current Psychology.*

Frank, M.G., Glowacki, Z.R., Neurohr, M., Nwogu, I., Solbu, A. (2025). Body Talk: Thoughts and Feelings in Action. In: Chadee, D., Kostić, A. (eds) Body Language Communication. Palgrave Macmillan, Cham. https://doi.org/10.1007/978-3-031-70064- 4_13

Solbu, A., Frank, M.G., Xu, F., Nwogu, I., & Neurohr, M. (2024). The Effect of Synchrony of Happiness on Facial Expression of Negative Emotion when Lying**. *Journal of Nonverbal Behavior, 48,* 73-92*. https://doi.org/10.1007/s10919-023-00447-4

Sen, T., Naven, G., Gerstner, L., Bagley, D., Abdul Baten, R., Rahman, W., Hasan, M., Haut, K, Mamun, A., Samrose, S., Solbu, A., Barnes, R.E., Frank, M.G., & Hoque, E. (2023). DBATES: DataBase of audio features, text, and visual expressions in competitive debate speeches. *IEEE Transactions on Affective Computing, 14, April-June.* DOI: 10.1109/TAFFC.2021.3103442

Frank, M.G., Solbu, A., Glowacki, Z. R., Toh, Z., & Neurohr, M. (2022). The look of love: Evolution and nonverbal signs and signals of attraction. In R. J. Sternberg & A. Kostic (Ed.s) *Nonverbal Communication in Close Relationships*. (pp 75-104). Palgrave MacMillan: Cham, Switzerland.

Sharma, S., Gangadhara, K.G., Xu, F., Solbu, A., Frank, M. G., & Nwogu, I. (2021). Coupled systems for modeling rapport between interlocutors. *16th IEEE International Conference on Automatic Face and Gesture Recognition (FG 2021)* DOI: 10.1109/FG52635.2021.9667067

Novotny, E., Frank, M.G., Grizzard, M. (2021). A laboratory study comparing the effectiveness of verbal and nonverbal rapport-building techniques in interviews. *Communication Studies, 72,* 819-833. doi.org/10.1080/10510974.2021.1975141

Casaccia, S., Sirevaag, E. J., Frank, M. G., O'Sullivan, J. A., Scalise, L., & Rohrbaugh, J. W. (2021). Facial Muscle Activity: High-Sensitivity Noncontact Measurement Using Laser Doppler Vibrometry. *Journal of Physics: Conference Series. IEEE.* ISSN: 0018-9456 Online ISSN: 1557-9662 DOI: 10.1109/TIM.2021.3060564

Frank, M.G. & Solbu, A. (2020). Nonverbal Communication: Evolution and today. In R. J. Sternberg & A. Kostic (Eds.) *Social Intelligence and Nonverbal Communication* (pp 119-162). Palgrave MacMillan: Cham, Switzerland.

Solbu, A., & Frank, M.G. (2019). Lie catchers: Evolution and development of deception in modern times. In T. Docan-Morgan (Ed.) *Palgrave Handbook of Deceptive Communication* (pp. 41-66). Palgrave MacMillan: Cham, Switzerland.

Carr, Z. M., Solbu, A., & Frank, M.G. (2019). Why methods matter: Approaches to the study of deception and considerations for the future. In T. Docan-Morgan (Ed.) *Palgrave Handbook of Deceptive Communication*. (pp 267-288). Palgrave MacMillan: Cham, Switzerland.

Casaccia, S., Sirevaag, E. J., Frank, M. G., O'Sullivan, J. A., Scalise, L., & Rohrbaugh, J. W. (2018). Noncontact sensing of facial muscle activity using laser Doppler vibrometry: Time domain data analysis. *Journal of Physics: Conference Series*, p. 012027. doi:10.1088/1742-6596/1149/1/012027

Griffin, D. J. & Frank, M. G. (2018). Intercultural communication schemas of Deaf and hearing adults: Visuospatial decision-making during deception detection. *Journal of Intercultural Communication Research, 47, 545-563.*

Novotny, E., Carr, Z., Frank, M. G., Dietrich, S. B., Shaddock, T., Cardwell, M. & Decker, A. (2018). How People Really Suspect and Discover Lies. *Journal of Nonverbal Behavior, 42,* 41-52.

Matsumoto, D., Hwang, H. C., & Frank, M. G. (2017). Emotion and aggressive intergroup cognitions: The ANCODI Hypothesis. *Aggressive behaviour; 43,* 93-107. DOI: [10.1002/ab.21666](10.1002/ab.21666)

Matsumoto, D., Hwang, H. C., & Frank, M. G. (2016). The effects of incidental anger, contempt, and disgust on hostile language and implicit behaviors. *Journal of Applied Social Psychology; 46; 437-452.* DOI: 10.1111/jasp.12374.

Matsumoto, D., Hwang, H. C., & Frank, M. G. (Eds). (2016). *Handbook of Nonverbal Communication*. Washington, DC: American Psychological Association press. ISBN-13: 9781433819698

Frank, M.G., & Shaw, A. Z. (2016). Evolution and nonverbal communication. In D. Matsumoto, H.C. Hwang, and M. G. Frank (Eds). *Handbook of Nonverbal Communication*. (pp 45-76). Washington, DC: American Psychological Association press.

Matsumoto, D., Hwang, H.C., & Frank, M.G. (2016). The body: Postures, gait, proxemics, and haptics. In D. Matsumoto, H.C. Hwang, and M. G. Frank (Eds). *Handbook of Nonverbal Communication*. (pp 387-400). Washington, DC: American Psychological Association press.

Svetieva, E., & Frank, M.G. (2016). Empathy, emotion dysregulation, and enhanced microexpression recognition ability. *Motivation and Emotion*, *40*, 309-320. DOI: 10.1007/s11031-015-9528-4

Matsumoto, D., Frank, M.G., & Hwang, H. C. (2015).   The role of intergroup emotions on political violence. *Current Directions in Psychological Science, 24,* 369-373. DOI: 10.1177/0963721415595023

Frank, M.G., Matsumoto, D., & Hwang, H.C. (2015). Intergroup emotions and political aggression: The ANCODI hypothesis. In J. P. Forgas (Ed.) *Social Psychology and Politics: Proceedings the 17th Sydney Symposium of Social Psychology, Volume 17,* pp 173-189.

Frank, M. G., Griffin, D. J., Svetieva, E., & Maroulis, A. (2015). Nonverbal elements of the voice. In A. Kostic & D. Chadee (Eds.), *Social Psychology of Nonverbal Communication*. (92-133). Basingstoke, United Kingdom: Palgrave Macmillan.

Frank, M.G., & Svetieva, E. (2015). Micro expressions and deception. In M. K. Mandal & A. Awasthi (Eds.) *Understanding facial expressions in communication: Cross-cultural and multidisciplinary perspectives* (227-242). New York: Springer.

Hurley, C. M., Anker, A. E., Frank, M. G., Matsumoto, D. M., & Hwang, H. C. (2014). Does background matter? Background factors predicting accuracy and improvement in micro expression recognition. *Motivation & Emotion*. DOI: 10.1007/s11031-014-9410-9

Bartlett, M.S., Littlewort, G. C., Frank, M. G., & Lee, K. (2014). Automatic decoding of facial movements reveals pain expressions. *Current Biology, 24,* 738-743.

Kim, D., Frank, M.G., & Kim, S. T. (2014). Emotional display behavior in different forms of Computer Mediated Communication. *Computers in Human Behavior, 30*, 222-229.

Matsumoto, D., Hwang, H. C., & Frank, M. G. (2014b). Emotions expressed in speeches by leaders of ideologically motivated groups predict aggression. *Behavioral Sciences of Terrorism and Political Aggression*, *6,* 1-18. DOI: 10.1080/19434472.2012.716449

Matsumoto, D., Hwang, H.C., & Frank, M. G. (2014a). Emotions expressed by leaders in videos predict political aggression. *Behavioral Sciences of Terrorism and Political Aggression*; *6,* 212-218. DOI:10.1080/19434472.2013.769116

Matsumoto, D., Hwang, H. C., Skinner, L. G., & Frank, M.G. (2014). Positive effects in detecting lies from training to recognize behavioral anomalies. *Journal of Police and Criminal Psychology, 24,* 28-35.

Frank, M.G., & Svetieva, E. (2013). The role of nonverbal behavior in detecting and telling lies. In M.L. Knapp & J. A. Hall (Eds.). *Nonverbal Communication.* (471-511). New York: Mouton de Gruyter.

Matsumoto, D., Hwang, H.C., & Frank, M. G. (2013). Emotional Language and Political Aggression. *Journal of Language and Social Psychology, 32,* 452-468.

Matsumoto, D., Frank, M.G., & Hwang, H.C. (2013). *Nonverbal communication: Science and applications.* Thousand Oaks, CA: Sage. (Editor; Author of 4 chapters).

Matsumoto, D., Frank, M.G., & Hwang, H.C. (2013). Introduction to the world of nonverbal behavior. In D. Matsumoto, M.G. Frank, & H.C. Hwang, H.C. (Eds.) *Nonverbal communication: Science and applications.* (pp. 3-14). Thousand Oaks, CA: Sage.

Frank, M.G., Maroulis, A., & Griffin, D.J. (2013). The voice. In D. Matsumoto, M.G. Frank, & H.C. Hwang, H.C. (Eds.) *Nonverbal communication: Science and applications.* (pp. 53-74). Thousand Oaks, CA: Sage.

Frank, M.G., & Svetieva, E. (2013). Deception. In D. Matsumoto, M.G. Frank, & H.C. Hwang, H.C. (Eds.) *Nonverbal communication: Science and applications.* (pp. 121-144). Thousand Oaks, CA: Sage.

Frank, M.G., Hwang, H.C., & Matsumoto, D. (2013). Synthesis and conclusion. In D. Matsumoto, M.G. Frank, & H.C. Hwang, H.C. (Eds.) *Nonverbal communication: Science and applications.* (pp 259-282). Thousand Oaks, CA: Sage.

Frank, M.G., & Svetieva, E. (2012). Lies worth catching involve both emotion and cognition. *Journal of Applied Research in Memory and Cognition,1,* 131-133.

Matsumoto, D., Hwang, H.S., & Frank, M.G. (2012). The role of emotion in predicting violence. *FBI Law Enforcement Bulletin, 81*, 1-11.

Hurley, C. M., & Frank, M. G. (2011). Executing facial control during deception situations. *Journal of Nonverbal Behavior*, *35*, 119-131.

Frank, M.G., Gemeinhardt, D., Maccario, C.J., & Matsumoto, D., (2011). Behavioral clues to deception in counter-terrorism situations: Critique and Prospectus. *FBI Terrorism Research and Analysis Project.* (189-230). Washington, DC: FBI-Government Printing Office.

Matsumoto, D., Hwang, H.S., Skinner, L., & Frank, M.G. (2011). Evaluating Truthfulness and Detecting Deception: New Tools to Aid Investigators. *FBI Law Enforcement Bulletin, 80,* 1-8.

O'Sullivan, M., Frank, M.G., & Hurley, C.M. (2011). Police Lie Detection: Accuracy, Training and New Directions. In J.M. Peters (Ed.) *Police Psychology*. (pp 75-88). Hauppage, NY: Nova Science Publishers, Inc.

Bhaskaran, N., Nwogu, I., Frank M.G., & Govindaraju, V. (2011). Lie To Me: Deceit Detection via Online Behavioral Learning. *2011 IEEE International Conference on Automatic Face & Gesture Recognition Workshops (FG 2011)*. (pp 24-29). Santa Barbara, CA: Institute of Electrical and Electronics Engineers. *ISBN: 978-1-4244-9140-7*

Littlewort, G., Whitehill, J., Wu, T., Fasel, I., Frank, M. G., Movellan, J., & Bartlett, M. The computer expression recognition toolbox (CERT). (2011). *2011 IEEE International Conference on Automatic Face & Gesture Recognition Workshops (FG 2011)*. (pp. 298-305). Santa Barbara, CA: Institute of Electrical and Electronics Engineers. *ISBN: 978-1-4244-9140-7*

Matsumoto, D., & Frank, M.G. (2011). The Role of Emotion in Predicting Violence. *FBI Terrorism Research and Analysis Project.* (231-258). Washington, DC: FBI-Government Printing Office.

O'Sullivan, M., Frank, M.G., & Hurley, C.M. (2010). Training for individual differences in lie detection accuracy. In J.G. Voller (Ed.). *Handbook of Science and Technology for Homeland Security*. (pp 1-13). New York: John Wiley & Sons.

Frank, M.G., Maccario, C.J., & Govindaraju, V. (2009) Behavior and Security. In P. Seidenstat & F.X. Splane (Eds). *Protecting Airline Passengers in the Age of Terrorism*, (86-106). New York: Praeger.

O'Sullivan, M., Frank, M.G., Hurley, C.M., & Tiwana, J. (2009). Police lie detection accuracy: The effect of lie scenario. *Law and Human Behavior, 33,* 530-538.

Frank, M.G., O'Sullivan, M., & Menasco, M. A. (2009). Human behavior and deception detection. In J. G. Voeller (Ed.), *Handbook of Science and Technology for Homeland Security.*   New York: John Wiley & Sons.

Frank, M.G. (2009). Thoughts, feelings, and deception. In B. Harrington (Ed) *Deception: Methods, Motives, Context and Consequences.* (pp 55-73). Palo Alto, CA: Stanford University Press.

Ekman, P., O'Sullivan, M., & Frank, M. G. (2008). Scoring and reporting: A response to Bond. *Journal of Applied Cognitive Psycholog*y, 22, 1315 – 1317.

Matsumoto, D., Keltner, D., Shiota, S., O'Sullivan, M., & Frank, M.G. (2008). Facial expressions of emotion. In M. Lewis, J. Haviland-Jones, and L. F. Barrett (Eds). *Handbook of Emotions* (3rd edition). (211-234). New York: Guilford Publications.

Frank, M. G., Hurley, C. M., & Menasco, M. A. (2008). A role for nonverbal communication in counter-terrorism. In L.K. Guerrero, J. A. DeVito, & M. L. Hecht (Eds.) *The nonverbal communication reader: Classic and contemporary readings (3rd Edition).* (pp. 335-343).Prospect Heights, IL: Waveland Press, Inc.

Tsiamyrtzis, P., Dowdall, J., Shastri, D., Pavlidis, I., Frank, M.G., & Ekman, P. (2007). Imaging Facial Physiology for the Detection of Deceit. *International Journal of Computer Vision, 71*, 197-214. DOI: 10.1007/s11263-006-6106-y

Bartlett, M.S., Littlewort, G.C., Lainscsek, C., Fasel, I., Frank, M.G., Movellan, J.R. (2006). Fully automatic facial action recognition in spontaneous behavior. *7th International Conference on Automatic Face and Gesture Recognition,* 223-230.

Bartlett, M. S., Littlewort, G., Frank, M. G., Lainscsek, C., Fasel, I., & Movellan, J. (2006). Fully automatic facial action recognition in spontaneous behavior. *Journal of Multimedia, 6,* 22-35.

Frank, M. G., Yarbrough, J. D., & Ekman, P. (2006). Improving Interpersonal Evaluations: Combining Science and Practical Experience. In T. Williamson (Ed.) *Investigative Interviewing: Rights, research, regulation*. (pp 229-255). Portland, Oregon: Willan Publishing.

Frank, M. G., Juslin, P. N., & Harrigan, J. A. (2005). Technical Issues in Recording Nonverbal Behavior. In J. Harrigan, K. Scherer, & R. Rosenthal (Eds.). *Handbook of Nonverbal Behavior Research.* London: Oxford. (pp. 449-470).

Frank, M. G. (2005). Research methods in detecting deception research. In J. Harrigan, K. Scherer, & R. Rosenthal (Eds.). *The New Handbook of Methods in Nonverbal Behavior Research.* London: Oxford. (pp 341-368).

Collins, R., Lincoln, R., & Frank, M. G. (2005). The Need for Rapport in Police Interviews. . Bond University. Available at: http://epublications.bond.edu.au/hss_pubs/38

Bartlett, M.S., Littlewort, G., Frank, M.G., Lainscsek, C., Fasel, I., and Movellan, J. (2005). Recognizing Facial Expression: Machine Learning and Application to Spontaneous Behavior. *IEEE International Conference on Computer Vision and Pattern Recognition*. p. 568-573.

Tsiamyrtzis, P., Dowdall, J., Shastri, D., Pavlidis, I., Frank, M. G., & Ekman, P. (2005). Lie detection - recovery of the periorbital signal through tandem tracking   and noise suppression in thermal facial video. In E. M., Carapezza (Ed.) P*roceedings of SPIE Sensors, and Command, Control, Communications, and Intelligence (C3I) Technologies for Homeland Security and Homeland Defense IV, Vol. 5778,* Orlando, Florida.

Frank, M. G., & Ekman, P. (2004). Nonverbal detection of deception in forensic contexts. In W. O'Donohue & E. Levensky (Eds.). *Handbook of Forensic Psychology.*   New York: Elsevier. (pp. 635-653).

Frank, M. G., Feeley, T. H., Servoss, T. N., & Paolantonio, N. (2004). Detecting deception by jury: I. Judgmental accuracy. *Journal of Group Decision and Negotiation, 13,* 45-59.

Frank, M. G., & Ekman, P. (2004). Appearing truthful generalizes across different deception situations. *Journal of Personality and Social Psychology, 86*, 486-495.

Frank, M.G., & Feeley, T.H. (2003). To catch a liar: Challenges for research in lie detection training. *Journal of Applied Communication Research, 31*, 58-75.

Frank, M.G. (2003). Smiles, lies, and emotion. In M. Abel (Ed). *The smile: Forms, functions, and consequences.* New York: The Edwin Mellen Press. (pp 15-43).

Frank, M.G. (2003). Getting to know your patient: How facial expression reveals true emotion. In M. Katsikitis (Ed.) *The Clinical Application of Facial Measurement: Methods and Meaning.* Dordrecht: Kluwer. (pp. 255- 283).

Collins, R., Lincoln, R., & Frank, M.G. (2002). The effect of rapport in forensic interviewing. *Psychiatry, Psychology, & Law, 9,* 69-78.

Frank, M.G. (2002). Facial expressions. In N. Eisenberg (Ed.) *Encyclopedia of the Social and Behavioral Sciences.* (Chapter 8). Oxford: Elsevier. (pp. 5230-5234).

Frank, M.G. (2002). Nonverbal communication. In J.R. Schement (Ed.) *Encyclopedia of Communication and Information (Vol 2).* New York: MacMillan. (pp. 669–677).

Frank, M. G., & Stennett, J. (2001). The forced choice paradigm and the perception of facial expressions of emotion. *Journal of Personality and Social Psychology, 80,* 75-85.

Bugental, D. B., Shennum, W., Frank, M. G., & Ekman, P. (2001). "True lies": Children's abuse history and power attributions as influences on deception detection. In V. Manusov & J. H. Harvey (Eds.) *Attribution, Communication Behavior, and Close Relationships.* Cambridge, UK: Cambridge University Press. (pp 248-265).

Etcoff, N.L., Ekman, P., Magee, J.J., & Frank, M.G. (2000). Superior lie detection associated with language loss. *Nature; 405 (11 May),* 139-139.

Ekman, P., O'Sullivan, M., & Frank, M.G. (1999). A few can catch a liar. *Psychological Science, 10,* 263-266.

Benson, P.J., Campbell, R., Harris, T., Frank, M.G., & Tovee, M.J. (1999). Enhancing images of facial expressions. *Perception & Psychophysics, 61,* 259-274.

Frank, M.G. (1998). Nonverbal cues and the evolution of human communication:

Introduction.   In L. Lederman (Ed.) *Communication Theory: A reader*. (pp 1-3). Dubuque, IA: Kendall/Hunt

Frank, M.G. (1997). Some thoughts on FACS, emotion, and baseball. In P. Ekman & E. L. Rosenberg (Eds.) *What the face reveals: Basic and applied studies of spontaneous expression using the Facial Action Coding System.* (pp 217-242). New York: Oxford.

Ekman, P., Frank, M.G., & O'Sullivan, M. (1997). Detecting deceit from demeanor. In C. Bonfantini, V. Castelfranchi, A. Martone, I. Poggi, & J. Vincent (Eds.) *Menzogna e simulazione*. (Lies and simulation). (pp 37-58). Napoli: Edizioni Scientifiche Italiane.

Frank, M.G., & Ekman, P. (1997). The ability to detect deceit generalizes across different types of high stake lies. *Journal of Personality and Social Psychology, 72*, 1429-1439.

Frank, M.G. & Ekman, P.(1996). Physiologic effects of the smile. *Directions in Psychiatry, 16,* 1-8. [*invited article*]

Frank, M.G. (1996). Assessing deception: Implications for the courtroom. *The Judicial Review, 2*, 315-326.   [*invited article*]

McConkey, K.M., Huon, G.F., & Frank, M.G. (1996). *Perspectives on unethical behavior.* Payneham, SA, Australia: National Police Research Unit.

Frank, M.G. (1995). Judging lies: Are some people consistently better than others? *Australian Journal of Psychology, 47 [Supplement]*, 37-38.

Frank, M.G., McConkey, K. M., & Huon, G. F. (1995). *Individual perspectives on unethical behavior*. Payneham, SA, Australia: National Police Research Unit.

Huon, G.F, Hesketh, B., Frank, M.G., McConkey, K. M., & McGrath, G. (1994). *Perceptions of ethical dilemmas*. Payneham, SA, Australia: National Police Research Unit.

Frank, M. G., Ekman, P., & Friesen, W.V. (1993). Behavioral markers and recognizability of the smile of enjoyment. *Journal of Personality and Social Psychology, 64,* 83-93.

Frank, M. G. & Ekman, P. (1993). Not all smiles are created equal: The differences between enjoyment and other smiles. *Humor: The International Journal for Research in Humor, 6,* 9-26.

Ekman, P., & Frank, M. G. (1993). Lies that fail. In M. Lewis & C. Saarni (Eds.) *Lying and deception in every day life.* (pp. 184-200) New York: Guilford Press.

Frank, M. G. (1992). On the structure of lies and deception experiments. In S. J. Ceci, M. DeSimone-Leichtman, & M. Putnick (Eds.) *Cognitive and social factors in early deception.* (pp. 127-146) Hillsdale, NJ: Erlbaum.

Frank, M. G., & Gilovich, T. (1989). Effect of memory perspective on retrospective causal attributions. *Journal of Personality and Social Psychology, 57,* 399-403.

Frank, M. G. & Gilovich, T. (1988). The dark side of self and social perception: Black uniforms and aggression in professional sports. *Journal of Personality and Social Psychology, 54,* 74-83.

Invited Plenary, Keynote, and other Addresses.

Deception and Detection: Skills and Strategies to Read Behavior and Elicit Truthful Information. Presented to the *National Association of Social Workers*, November 9, 2024 (remote).

Expressions within Expressions: Rapport, Deception, and Facial Expressions of Emotion. Keynote presented to the *World Congress of Facial Expressions of Emotion* Conference, Porto, Portugal, October 11, 2024.

Deception, technology, and people: The human element and the future. Presented to the *University at Buffalo Global Reunion conference*, Singapore, July 13, 2024.

Nonverbal Communication and Micro Expressions at Work. Invited presentation, *SAIC Security,* Remote to Reston, VA, November 14, 2023.

Behavior Detection: Science and Applications. Invited address, *5th Research and Development Workshop of the European Civil Aviation Conference*, Paris, France, September 26-27, 2023.

Detecting Deception. Invited presentation, *Singapore Police Polygraph Unit*, Singapore, July 27, 2023.

Nonverbal Communication and Deception into the 21st Century. Keynote presentation, *Association of American Universities Data Exchange Annual Meeting*, Buffalo, NY April 24, 2023.

Misinformation and Extremism. Invited Panelist, Center for Information Integrity Conference *Misinformation in Social Media and What to Do About It,* Buffalo, NY, April 21, 2023.

Communication and Interpersonal Relations: Invited presentation to*: Fourth Annual Transformative Leadership Program*, the Mid-American Conference (Virtual), August 15, 2022.

Comunicación sinverbal: Rapport -Relación en entrevistas. Invited presentation to: *Seminario Internacional.* Remote to Argentina and other places in South America. March 25, 2022.

Comunicación no verbal: Ciencia, aplicaciones y el future. Invited presentation to: *Seminario Internacional.* Remote to Argentina and other places in South America. March 21, 2021.

Effetto del campo magnetico sui muscoli. Invited presentation to: *Ulteriori acquisizioni sulla fisica dell'acqua e i suoi effetti sul vivente.* Remote to Trieste, Italy, November 14, 2020.

Reazioni squilibrate rispetto al contesto: qualile possibili implicazioni? Plenury address. *Rigorosità scientifica e libera scelta: convivenza possibile?*AMEC (Complementary Medicine) Conference, Trieste, Italy, November 18, 2018.

Behavior and Transportation Security. Invited keynote, Transportation Security Administration, Chicago Office, August 29, 2018.

What's the science behind behavioral detection? Invited brown bag lecture, Transportation Security Administration HQ, Arlington, VA, June 26, 2018.

Judicial fact finding and decision making. Keynote to Florida Judicial College, Orlando, FL, May 30, 2018.

Who should or could be a good Transportation Security Officer? Plenury address, *Advanced Development for Security Applications Workshop 18: Collection and use of metadata for improving aviation security systems.* DHS/Northeastern University, May 15, 2018.

Comunicazione verbale e non verbale per il management. Annual Business Conference, Trieste, Italy, November 21, 2016.

Recognizing deception. Keynote address at *the 8th IEEE International Conference on Biometrics: Theory, Applications, and Systems*. Niagara Falls, NY, September 7th, 2016.

Deception detection. Keynote address at the *5th International Program on Information Assurance and Management*, Niagara Falls, NY, August 30, 2016.

Identificazione precoce delle malattie psichiche attraverso lo studio dei micromovimenti facciali. AMEC (Complementary Medicine) Conference, May 29, 2016.

Behavior and deception: From theory to practical analysis. Keynote address, 1.5 days Address for the conference: *The Emotional Profiling: Technological Tools and Analysis of Emotional Behavior in the Investigative Activities and Intelligence*; Rome, Italy, 9–10 May 2015.

Behavior and Deception. Italian Security and Law Enforcement. Trieste, Italy, June 7-8, 2014.

Not all lies are created equal. APS-STP Teaching Institute Closing Plenury Address*, 26th Annual Convention of the Association for Psychological Science,* San Francisco, CA, May 22-25, 2014.

Pinocchio lost: Nonverbal behavior and detecting lies. Keynote address, *Third Nonverbal Behavior Preconference at the annual meeting of the Society for Personality and Social Psychology*, Austin, Texas, February 13-15, 2014.

Detecting deception in the courtroom. Keynote address, *Tenth Annual Honorable Ralph W. Nimmons Federal Practice Seminar,* Jacksonville, Florida, April 18, 2013.

Detecting human deception and intent*.* Keynote address, *Federal Court Advisory Meeting,* Amelia Island, FL, February 22, 2013.

Science and practice toward reducing deception in interviews. Two part breakout presentation, *27th Annual San Diego International Conference on Child and Family Maltreatment*, San Diego, CA, January 31, 2013.

Detecting nonverbal clues to behavior. 4th Annual *National Behavioral Intervention Team Association* Conference, Bonita Springs, Florida, November 29, 2012.

Detecting deception in the courtroom. Keynote address, *20th Annual Bankruptcy Seminar*, St. Augustine, FL, October 12, 2012.

Deception and Demeanor. Keynote address. *Dean's Advisory Council meeting (UB School of Management)*, New York City, April 26, 2012.

Observations about science and security. Keynote address, *Behavioral Analysis Insider Threat Table Top Exercise* (Department of Defense); Reston, VA, March 27-29, 2012.

Reading nonverbal behavior. Keynote workshop: *9th Annual Safe Schools Seminar: Bullying: Insights and Tools for Gaining Control.* March 14, 2012, University at Buffalo.

Deception and memory. Breakout presentation, *25th Annual San Diego International Conference on Child and Family Maltreatment*, San Diego, CA, January 26 & 27, 2011.

Behaviors, intentions, and deception. Invited plenury presentation, *90th Annual Transportation Research Board Conference*, Washington, DC, January 25, 2011.

Deception and terrorism. Presented to the Ken-Ton Rotary Club, Tonawanda, NY, October 4, 2010.

Pants on Fire: Observations about Deception and Security. Keynote address, *Transportation Security Administration Annual Conference*, San Antonio, TX, April 7, 2010.

Recognition of Hidden Emotion: An Observational Skill & Interviewing Aid. NY State Appellate Division, 4th Department Law Guardian Program. Rochester, NY, March 19, 2010.

Lying to me: Deception myths and realities. *University at Buffalo Summer Lecture Series.* Presented August 5, 2009.

Reading Hidden Emotion Signs. Keynote workshop for *Society of Personality Assessment Annual Conference*, Chicago, IL March 4, 2009.

Deception and Demeanor. Keynote presentation, *23rd Annual San Diego International Conference on Child and Family Maltreatment*, San Diego, CA, January 28-31, 2009.

Lies and lie catching. Keynote presentation to *UB Alumni Association* quarterly meeting, Buffalo, NY, October 29, 2008.

Detecting deception in the age of terrorism. *University at Buffalo Cutting Edge Lecture*, February 23, 2008:

Not all lies are created equal: Behavior and deception. Keynote presentation to the *American Polygraph Association Annual Conferenc*e, New Orleans, LA, August 24, 2007.

Deception and Lying: The case of the Human Being. Plenury session presented at the annual *Society for Personality and Social Psychology Evolution Pre-conference*, Memphis, TN, January 25, 2007.

Deception and behavior. Presented to the *FBI Citizen's Academy* annual meeting, Buffalo, NY, November 9, 2006.

Detecting hostile intent. Presented to the National Academy of Sciences *Committee on Technical and Privacy Dimensions of Information Technology for Terrorism Prevention and Other National Goals*, Washington, DC, October 26, 2006.

<u>Detecting deception</u>. Presentation to the annual *FBI All Agents Meeting,* Buffalo, NY, September 22, 2006.

<u>Deception detection and the real world.</u> Keynote address annual *Phi Beta Kappa* meeting, Buffalo, NY Chapter, April 26, 2006.

<u>Interviewing suspects, witnesses, and informants in counter-terrorism situation.</u> Keynote presented at the *2nd annual Domestic Security Preparedness Conference,* Boston, MA October 24-26, 2004.

<u>Practical approaches to detecting deception in counter-terrorism</u>. Briefing presented to Congress and staffers in the US House of Representatives Rayburn Building, Washington, DC., March 19, 2004.

<u>Detecting lies in the Courtroom</u>. Presented to the Superior Court of New Jersey, New Brunswick, NJ, June 13, 2003.

<u>Witness credibility in the Courtroom.</u> Presented to the annual Middlesex County (NJ) Judge's Meeting, Boro of Middlesex, NJ, January 8, 2003.

<u>Deception and counter-terror</u>. Presented to the NJ State Government in Trenton as part of the *New Jersey Public Policy Seminar Series* in Trenton, November 12, 2002.

<u>Not all lies are created equal: Human lying and lie catching.</u> Presented at the annual *Human Behavior and Evolution Society Conference*, New Brunswick, NJ, June 20-23, 2002.

<u>Deception detection and interviewing</u>. 2001 *Nottinghamshire Constabulary Master Lecture*, Nottingham, UK, March 15, 2001.

Invited Research Presentations.

<u>Misinformation, law enforcement, and the con</u>. Invited presentation *to Center for Information Integrity semi-annual workshop*, University at Buffalo, Buffalo, NY, April 24-25, 2024.

<u>Effectiveness of on field security at sporting events</u>. Invited presentation to *Advanced Development for Security Applications*, DHS Center of Excellence on *Soft Target Engineering to Neutralize the Threat Reality (SENTRY),* Boston, MA, November 15, 2023.

<u>Public knowledge and attitudes about biometrics and security</u>. Invited presentation to *Advanced Development for Security Applications*, DHS Center of Excellence on *Soft Target Engineering to Neutralize the Threat Reality (SENTRY),* Boston, MA, December 1, 2022.

Understanding (and Mitigating) the Public Concerns in Biometric Authentication. NSF CITeR program presentation, June 8, 2021. With S. Setlur & W. Xu. ***Webinar extended presentation*** November 30, 2021.

Research on behavior and airport security. Briefing to British Transport, London, UK, June 11, 2018. Again updated presentation October 23, 2019.

Deception, counter-terrorism, and forensic science. Wells High School, Wells, ME, May 17, 2018.

Issues in facial recognition and expression. Invited presentation to The Mellon Foundation Sawyer Seminar "Face-off: Facial Recognition." Boston University, Boston, MA, April 18, 2018.

Micro expressions, emotion and deception. Invited presentation to the SRC, Inc., Syracuse, NY, January 12, 2018.

Reazioni squilibrate rispetto al contesto: Quali le possibili implicazioni **(**Unbalanced reactions to the context: What are the possible implications)? Quantum physics communicates with medicine and the humanities sciences. 4th Edition. Trieste, Italy, November 19, 2017.

Behavior and Deception. Invited presentation to the 4th annual Awareness and Localization of Explosives-Related Threats (ALERT) Group, Boston, MA; October 18, 2017.

Emozione e Inganno. La Psicologia delle Emozioni Conference, Trieste, Italy, October 5, 2014.

Intergroup emotions and political aggression: The ANCODI hypothesis. Invited research presentation to the 17th Sydney Symposium of Social Psychology; Sydney, Australia, March 17-19, 2014.

Armonia della verità e disarmonia della bugia. AMEC (Complementary Medicine) annual Conference, Trieste, Italy, November 24, 2013.

Cues of Deception: Myths and Realities. Seminar presented to Courtroom Judges attending *Florida College of Advanced Judicial Studies*, Orlando, Florida, May 7, 2013.

Reading Nonverbal Communication. Seminar presented to Academic and Professional staff of *Ken-Ton School System*, May 3, 2013.

Not all lies are created equal: Behavior and deception. Presented to *Argosy University*, Washington, DC, January 27, 2012.

Terrorism and Nonverbal Communication. Presented to Wells High School, Wells, ME, January 25, 2012.

Nonverbal Communication and Deception.   Two four hour research presentations to the *Israeli Polygraph Examiners Association*; Dead Sea, Israel, February 4 & 5, 2011.

Deception, security, and terrorism. Panel presentation at 3rd annual *Security and Human Behavior Conference*, Cambridge University, England, June 26-30, 2010.

Deception and Terrorism. Presented to Wells High School, Wells, ME, January 7, 2010.

Lying about thinking and thinking about lying. Invited presentation, *National Communication Association Summer conference on cognition,* University of Maryland, July 12, 2008.

Not all lies are created equal: Research on deception detection. *Massachusetts Institute of Technology Interdisciplinary Workshop on Security and Human Behavior*; Boston, MA June 30-July 1, 2008.

Behavioral Approaches to Security: Training to recognize subtle signs of hostile intent by professionals. Panel Chair and presenter to the *SUNY Protect New York Conference*, New York, NY, January 11, 2008.

Deception and forensic science. Wells High School, Wells, ME, June 6, 2007.

Deception, thoughts, and emotion. Presented to the second annual Santa Fe Institute Conference on *Deception: Methods, Motives, Context and Consequences*, Santa Fe, NM, March 1-3, 2007.

Validation of nonverbal communication models in deception. Presented to Center for Advanced Defense Studies, Washington, DC, January 31, 2007.

Evolution and deception. Paper presented to the Santa Fe Institute Conference on *Deception: Methods, Motives, Context and Consequences*, Santa Fe, NM, April 1-3, 2005.

Technology and the identification of hostile intent. Invited presentation to US Army, Ft. Monmouth, NJ, February 24, 2005.

Forensic Science. Wells High School, Wells, ME, November 9, 2004.

Detecting Deception. Invited presentation to Rutgers Office of Research and Sponsored Programs. November 4, 2004.

Modeling deceptive behavior. Presented to joint RAND Corporation/CIA sponsored workshop on deception, Arlington, VA, June 24, 2004.

Detecting Decept!on: A digital database for analyzing facial expressions. Presented to the US House of Representatives, as part of National Science Foundation Day, Rayburn Building, Washington, DC, June 22, 2004. (*title is not a typo!*)

Detecting deception from demeanor. Invited subject matter expert presentation to Center for the Advanced Study of Language/FBI 2 week workshop *Detecting deception across cultures*, University of Maryland, College Park, June 13-18, 2004.

Forensic Science. Wells High School, Wells, ME, November 13, 2003.

Remote measures in the detection of deception in a counter-terror situation. Full day research prospectus presentation to the Office of Naval Research and other officials from the Department of Defense; Chicago, IL, September 25, 2003.

Automating human emotion and deception detection. University of Pittsburgh and Carnegie Mellon University Psychology/Robotics departments, July 14, 2002.

The Science of Deception. Franklin Park High School, Franklin Park, NJ, April 17, 2002.

Public Exhibits.

Weeding out terrorists and liars: Facial expressions and behavioral screening. *Interactive demonstration* for University of Buffalo Foundation Annual Meeting, November 4, 2006.

Detecting Microexpressions and Deception. *Interactive Exhibit* presented at Liberty Science Center, Jersey City, NJ, November 16, 2002.

Podcasts.

UB Driven to Discover Podcast: *Detecting Deception with Mark Frank.* January 30, 2024. Hosted by Thomas Dinkl.

Critically Speaking. *Detecting deception.* Hosted by Therese Ann Markow, Ph.D. Recorded June 9, 2021.

Circle of Insight. *Nonverbal myths.* Hosted by Dr. Carlos Vasquez. Recorded June 4, 2021.

Military Education Discussion Panel. *Faces.* Hosted by USAF Master Sergeant Jeffrey Curtin. Recorded June 26, 2020.

Tigerhall. *How to leverage Nonverbal Communication and leadership; October, 2023; Artificial intelligence challenges; October, 2023,*
What con artists can teach us about persuasion. Instagram livestream, August 4, 2022.
How Body Language Science Can Win You Dates. Recorded February 5, 2020.
Also: *Interrogating Criminals and Liars; Reading facial expressions to detect deception; Detecting a lie over the phone; The body language of a liar; Killer first impressions (Non-verbal); Behaviours that are being offensive to cultures; The body language that wins the negotiation; Behaviours that grow relationships.* Hosted by Pippa Woodhead. All recorded August 2-8, 2019.

Invited Colloquia.

Non-Verbal Communication. Presentation for *Dispute Resolution series* to Osgoode Hall
      Law School, York University, Toronto, Canada, January 2, 2025.

Non-Verbal Communication in the Law. Presentation for *Dispute Resolution series* to
      Osgoode Hall Law School, York University, Toronto, Canada, January 20, 2023.

Science and your Faculty Athletic Representative. Presented to UB Athletics department,
      April 27, 2022.

Non-verbal communication. Presentation to Osgood School of Law, York University,
      Toronto, Canada, February 5, 2021.

Microexpressions, emotion, and deception. Colloquium presented to University of
      Rochester, Rochester, NY, March 16, 2018.

Credibility in the courtroom. Presentation to Osgood School of Law, York University,
      Toronto, Canada, February 15, 2017.

Deception and demeanor. Colloquium presented to St. Bonaventure University, Olean,
      NY, March 4, 2013.

Lies, lying, and looking: Issues in detecting deceit when it matters. Presented to the
      Communication Department, University of California, Davis, January 28, 2011.

Deception, behavior, and automation. Presented to the University of Houston Computer
      Science Department, November 16, 2009.

Nonverbal behavior, laboratory science, and real-world observations. Presented at the
      University of California, San Diego, *Dialogues in Science* series; May 29, 2007.

Not all lies are created equal: Social science and the real world. Presented at the Ithaca
      College Psychology Day Series; April 17, 2007.

Facing facts: Not all lies are created equal. Presented to University of Houston Computer Science Department, April 13, 2006.

Human deception and counter terrorism. Presented to the Faculty of Arts and Sciences, University of Queensland, Brisbane, Australia, August 15, 2003.

Not all lies are created equal. Presented to the Center for Human Development, University of Medicine and Dentistry, March 27, 2003.

Human Lying and lie catching. Presented to Arcadia University (Campus-wide presentation), Philadelphia, PA, November 5, 2002.

Science and training the police. Presented to the Hong Kong Centre for Criminology; Sept 4, 2000.

There are lies, and then there are lies. Presented to the University of Queensland, Brisbane, QLD, Australia, June 16, 1999.

Expert and laypeople's abilities to detect deception. Presented to Macquarie University, Sydney, NSW, Australia, June 2, 1998.

Lies, damn lies, and colloquia. Presented to the University of Michigan, Ann Arbor, MI, March 31, 1997.

Lies, damn lies, and colloquia. Presented to Cornell U, Ithaca, NY, March 27, 1997.

Lies, damn lies, and colloquia. Presented to the University of Delaware, Newark, DE, February 12, 1997.

Professional lie catching. Presented to the Department of Psychology, Rutgers University, Piscataway, NJ, November 1, 1996.

Selected peer reviewed conference papers/presentations.

Frank, M.G., Kim, D.J., Kang, S., & Glowacki, Z. R. (2025). *Micro analysis of gaze aversion in high stakes deception.* Paper to be presented at the International Communication Association Annual Convention, Denver, CO, Jun 12-16, 2025.

Neurohr, M., Frank, M.G., Sinha, J., Xu, W., & Setlur, S. (2025). *Exploring Public Perception of Biometric Technology Through the Technology Acceptance Model (TAM).* Paper to be presented at the International Communication Association Annual Convention, Denver, CO, Jun 12-16, 2025.

*Neurohr, M., Frank, M. G., & Hahn, L. (2025). *The blueprint for school shooters: Investigating the emotional motivation behind the Columbine High School shooting using the ANCODI hypothesis.* Poster presented at the Rochester Institute of Technology Student Communication Conference. * *Top Poster Award.*

Tenzek, K. E., Neurohr, M., Lattimer, T. A., Leong, Y. Y., & Frank, M. G. (2025). *I don't know, it happens to everyone, so it can't be that bad": Readiness, expectations, and reactions to mediated content related to aging and end-of-life.* D.C. Health Communication Conference, Fairfax, Virginia, USA.

Neurohr, M., Frank, M, G., Hahn, L. (2025). *Moral Emotions and Emotional Contagion Amplify School Shooter Ideologies in Written Content.* 8th annual meeting of the Moral Media Conference, Buffalo, NY, USA.

Glowacki, Z. R., Raffloer, G. C., Li, S., & Frank, M.G. (2025). *Truth, Lies, and Algorithms: Exploring AI's Role in Trust and Credibility.* Paper presented at annual Easter Communication Association Convention, Buffalo, NY March 26-30, 2025.

Panel Presentation: *Emotions Through Life: The Critical Role of Emotions in School, Work, Security, and Death.* <u>Presented</u>: The Critical Role of Nonverbal Communication in Threat Detection. Panel discussion presented at annual Eastern Communication Association Convention, Buffalo, NY March 26-30, 2025.

Neurohr, M., Lattimer, T. A., Leong, Y. Y., Tenzek, K., & Frank, M.G. (2025). *Exploring the role of nonverbal behavior within end-of-life conversations.* Poster presented at annual SPSP conference, Denver, CO., February 20-22, 2025.

Frank, M.G. (2024). *Microexpressions, deception, and Darwin's inhibition hypothesis.* Paper presented at the Annual International Communication Association Convention, June 20-24, Gold Coast, Australia.

Frank, M.G. (2024). *Before the lie: Facial expressions reveal intentions to lie in a mock security setting.* Paper presented at the Annual International Communication Association Convention, June 20-24, Gold Coast, Australia.

Wong, R., Glowacki, Z.R., Raffloer, G., & Frank, M.G. (2024). *The Truth, the Lie, and the AI: Credibility of AI Analyses of Deception Transcripts.* Poster presented annual National Institute for Exceptional Education meeting, Buffalo, NY, March 13-14, 2024.

Glowacki, Z. R., Xing, Y., Olszewski, A., Frank, M.G.. Wang, X. C., & Nwogu, I., (2024). *Critical Nonverbal Slice of Children's Learning and Understanding: A Scoping Review.* Poster presented annual National Institute for Exceptional Education meeting, Buffalo, NY, March 13-14, 2024.

Frank, M.G. (2023). *Hanging around with con artists: Reflections on "Inside the mind of a con artist".* Individual presentation, *Decepticon 2023*, United Kingdom, December 7-8, 2023.

Frank, M.G. (2023). *Biological and Social Factors in Authenticity Then, Now, and Tomorrow.* Chair, Panel presentation, International Communication Association Annual Conference, Toronto, Canada, May 25-29, 2023.

Solbu, A., Glowacki, Z. R.. & Frank, M.G. (2023). *Blatant signals representing authenticity in social intelligence networks.* Panel presentation, International Communication Association Annual Conference, Toronto, Canada, May 25-29, 2023.

Solbu, A., Frank, M.G., Xu, F., Nwogu, I., Neurohr, M., & Glowacki, Z. R. (2023).*The Relationship between Synchrony and Deception.* International Communication Association Annual Conference, Toronto, Canada, May 25-29, 2023.

Neurohr, M., & Frank, M. G. (2023). Guilty or Not Guilty: *How a Female Babyface Defendant is Judged from a Nonverbal Communication Perspective.* International Communication Association Annual Conference, Toronto, Canada, May 25-29, 2023.

Frank, M.G., Barcia-Varno, N., Wong, R., Milbrand, C. & Neurohr, M. (2023). *Microexpressions and deception detection by police officers.* Paper presented at the Society for Personality and Social Psychology Nonverbal Pre-conference, Atlanta, GA., February 23, 2023.

Glowacki, Z.R., Barcia-Varno, N., Frank, M.G., & **Lee, D. S.** (2023). Relationship Forming: How facial displays of joy impact the formation of social relationships. *Annual Eastern Communication Association Conference*, Baltimore, MD.

Glowacki, Z. R., Milbrand, C., Frank, M. G., & Lee, D. S. (2022). *Do we still like honest signal givers? An evolutionary lens comparing different facial displays of joy on various traits.* Paper presented at the Annual International Communication Association Convention, New Orleans, LA., November 17-20, 2022.

Glowacki, Z. R., Frank, M. G., & Neurohr, M. (2022). *Blatant and surreptitious signals: Implications for trust and likability.* Paper presented (virtually) at Society for Personality and Social Psychology Nonverbal Behavior preconference, San Francisco, CA, February 17, 2022.

Sharma, S., Gangadhara, K.G., Xu, F., Solbu, A., Frank, M. G., & Nwogu, I. (2021). *Coupled Systems for Modeling Rapport Between Interlocutors.* 16th IEEE International Conference on Automatic Face and Gesture Recognition (FG 2021)

Glowacki, Z.R., Carr. Z.M., Glowacki, C.R., Frank, M.G., (2022). *Perceptions on how COVID-19 impacted Nonverbal Communication in Social Interaction: A Content Analysis.* Poster to be presented at 2022 SPSP Annual Convention, February 16-19, 2022.

*Glowacki., Z.R., Frank, M.G., Neurohr, M., (2021). *Do we like Honest Signal Givers? An Evolutionary lens comparing different facial displays of disgust on various traits.* Paper to be presented at the Annual National Communication Association Conference, Seattle, WA, November 18-21. *Top student paper award, Nonverbal Communication Division.*

Glowacki., Z.R., Carr. Z. M., Glowacki, C.R., Frank, M.G., (2021). *COVID-19 and Removing Nonverbal Norms: Psychological and Emotional Outcomes.* Paper to be presented at the Annual National Communication Association Conference, Seattle, WA, November 18-21.

*Glowacki, Z.R., Frank, M.G., Carr. Z. M. (2021). *Men and Women Differ on their Perceptions of Liars and Truth-tellers: An Examination of Spontaneous Microexpressions.* Paper presented for Nonverbal Communication Division, 112th Annual Eastern Communication Association Convention (virtual; March 24-28). * Top paper award, Nonverbal Communication Division.*

*Glowacki, Z.R., Frank, M.G., Setlur, S., Xu, W. (2020). *Microexpressions in Social Interactions: Implications to Deception, Emotion, and Trait Characteristics.* Paper presented at the Annual National Communication Association conference, November, 11, 2020. *Best paper award, Nonverbal Communication Division.*

Frank, M.G., Solbu, A., & Svetieva, E. (2020). *Did evolution make us 54% accurate at detecting deception?* Paper presented at Society for Personality and Social Psychology Nonverbal Behavior preconference, New Orleans, LA, February 27, 2020.

Verzegnassi, C., Frank, M.G., Burigana, F., Germano, R., Moore, M., & Solbu, A. (2018). *Preliminary test of electron spin and muscle resistance.* Quantum Physics annual conference London, UK, Sept 10-11, 2018.

Frank, M. G., Solbu Slowe, A., & Shaw, A. Z. (2018). *Evolution and Nonverbal Communication.* 7th annual SPSP Nonverbal Preconference of the Society for Personality and Social Psychology Conference. March 1, 2018. Atlanta, GA.

Frank, M. G. (2017). Discussant: *Examining Evolutionary Influences on Facial Appraisal and Emotional Evaluation Processes.* 103rd Annual National Communication Association Conference, Dallas, TX. November 18, 2017.

Solbu Slowe, A., & Frank, M. G. (2017). *Self-reported guilt by liars and truth tellers in the courtroom.* 2nd Decepticon Conference. Stanford University, Palo Alto, CA.

Frank, M. G., & Solbu Slowe, A. (2017). *Issues in judging lies accurately.* 2nd Decepticon conference. Stanford University, Palo Alto, CA

*Griffin, D. J., & Frank, M. G. (2015). Deliberation of schemas for veracity on auditory and visual speech communication: Exploring deception beliefs in the Deaf and hearing. Paper presented at the Annual Easter Communication Association, Philadelphia, PA, April 22-26, 2015. *Best paper award, Intercultural Communication Division.*

Hulme, K.F., Morris, K.L., Fabiano, G. A., Frank, M.G., Houston, R.J., & Anastasopoulos, P.C. (2015). *Multi-measure Assessment of Internal Distractions on Driver Performance.* Interservice/Industry Training, Simulation, and Education Conference (I/ITSEC). Paper No. 15017.

Maskel, L., Frank, M.G., & Moore, K. (2015). Compliance: Abu Ghraib in a Fast Food Joint; 3 hour media presentation, 168th Annual convention of the American Psychiatric Association; Toronto, Canada, May 16-20, 2015.

Griffin, D. J., Frank, M.G., (2014). Academic Dishonesty beyond Cheating & Plagiarism: Students' Interpersonal Deception in the Classroom. Presented at Annual International Communication Conference, Seattle, WA, May 22-25, 2014.

Matsumoto, D., Hwang, H. S., and Frank, M. G. (2012). Emotions expressed in speeches by leaders of ideologically motivated groups predict aggression. Paper presented at the *John Jay College 10th Biennial International Conference: Global Perspectives on Justice, Security, and Human Rights*. New York, New York.

Frank, M.G. (2010). Strategies and lying. Panel session presented to the *National Communication Association Conference*, San Francisco, CA, November 14, 2010.

Frank, M.G. (2009). Lying to me: Television representations of deception. Invited panel presenter at the *National Communication Association Conference,* Chicago, IL, November 13, 2009.

Frank, M. G. (2008). Nonverbal communication and counter-terrorism. Panel presentation, *National Communication Association Annual Conference*, San Diego, CA November 21-24, 2008.

Frank, M.G. et al (2008). Real world practiners and the detection of deception. Panel presentation at the *Annual International Communication Association Conference,* Montreal, Quebec, Canada May 22-25, 2008.

Oh, I., Frank, MG., Stone, M. (2007). Face-to-face communication of uncertainty: Expression and recognition of uncertainty signals by different levels across modalities. Paper presented at Annual International Communication Association, San Francisco, CA, May 24-27, 2007.

Frank, M. G., et al. (2007). Detecting Hostile Intent. Panel presented at annual *American Psychological Association,* San Francisco, CA, August 17-20, 2007.

Frank, M.G., et al (2007). <u>Deception and Interviewing: Creating Communication Among Scholars, Law Enforcement, and the Public.</u> Panel presentation at *Annual International Communication Association Conference,* San Francisco, CA May 24-28, 2007.

Vasilyeva, A. L., & Frank, M.G. (2006). <u>Testing Interpersonal Deception Theory: Strategic and Nonstrategic Behaviors of Deceivers and Truth Tellers, Communication Skills, and Dynamic Character of Deception.</u> Paper presented at Annual International Communication Association Conference, Dresden, Germany, June 19-23, 2006.

Frank, M.G., Kang, S., Keller, A. M., Oh, I., & Sweet, D. (2005). <u>From theory to practice and back: Implications for training law enforcement to detect deception.</u> Panel discussion to be presented at the Annual National Communication Association Conference, Boston, MA., November 17-21, 2005.

Frank, M. G. (2005). <u>Development of a research agenda for detecting deception research.</u> Workshop series directed at behest of National Science Foundation, June 28-29, 2005, August 15, 2005, and October 3, 2005.

Frank, M.G. (2005). <u>Technological aides to detecting mal intent</u>. Paper presented to SUNY wide symposium on Homeland Security, Albany, NY, September 29, 2005.

Buddharaju , J. Dowdall, P. Tsiamyrtzis, D. Shastri, I. Pavlidis and M.G. Frank (2005). Automatic Thermal Monitoring System (ATHEMOS) for Deception Detectio <u>Video Proceedings of the IEEE Computer Society Conference on Computer Vision and Pattern Recognition</u> , San Diego, CA, June 20-26, 2005.

Frank, M.G., Herbasz, M., Kang, S., Keller, A. M., Kurylo, A., & Nolan, C. (2005). <u>I see how you feel: Training laypeople and professionals to recognize fleeting emotions.</u> Paper presented at the Annual International Communication Association Conference, NY, NY, May 27-30, 2005.

Frank, M.G. (2005). <u>Hunches and Policing – the role of Microexpressions.</u> Invited presentation to George Mason Law School symposium on Police Hunches, Arlington, VA, May 16-17, 2005.

Frank, M.G. (2005). <u>Technological adjuncts to detecting malfeasant behavior.</u> Poster presented at Annual Homeland Security Research Conference, Boston, MA, April 26-28, 2005.

Frank, M.G. (2005). <u>Bridging the gap between academics and law enforcement practitioners</u>.   Paper presented at Annual Rutgers University Research Day, March 30, 2005.

Tsiamyrtzis, J. Dowdall, D. Shastri, I. Pavlidis, M. G. Frank, and P. Ekman (2005). Lie detection: recovery of the periorbital signal through tandem tracking and noise suppression in thermal facial video, in <u>Abstracts of the 22nd Annual Houston Conference on Biomedical Engineering Research</u> , Houston, TX, February 10-11, 2005.

M.S. Bartlett, G. Littlewort, C. Lainscsek, M.G. Frank, & J.R. Movellan (2004). <u>Towards Automatic Measurement of Spontaneous Facial Behavior. Oral presentation. International Conference on Research on Emotion</u>. July 6-11 New York, New York.

Frank, M. G. (2004). <u>Identifying terrorists.</u> Paper presented at the Statewide symposium on Homeland Security held at Rutgers-Newark, Newark, NJ October 12, 2004.

Frank. M. G. (2004). <u>Deception, digitization, and Counter-terror</u>. Paper presented at the annual SCILS Research Day on March 12, 2004.

Frank, M.G., & Metaxas, D. N. (2003). <u>Detecting malfeasant behavior</u>. Paper presented at the Statewide symposium on Homeland Security held at Rutgers University, October 29, 2003.

Frank, M. G., Keller, A. M., Kurylo, A., Kang, S., Herbasz, M., & Uckun, B. (2003). <u>Training Counter-terrorism Experts.</u> Poster presented at the State wide symposium on Homeland Security held at Rutgers University, October 29, 2003

Frank, M. G. (2003). <u>Invited panelist,</u> for SCILS Roundtable discussion on Censorship, held in part to celebrate the anniversary of the Rutgers Graduate School on October 25, 2003.

Frank, M. G., Keller, A. M., Kurylo, A., Kang, S., Herbasz, M., & Uckun, B. (2003). <u>Training Professional lie catchers to Detect Microexpressions.</u> Poster presented at the Rutgers Symposium on Homeland Security held at DIMACS on Busch Campus September 23, 2003.

Frank, M. G. (2003). <u>Deception, Digitization, and Counter-terror</u>. Paper presented at the Rutgers Symposium on Homeland Security held at DIMACS on the Busch Campus September 23, 2003.

Frank, M. G. (2003). <u>Deception and nonverbal communication</u>. Panel discussion presented at the Annual ICA Conference, San Diego, May 23-26, 2003.

Kurylo, A., & Frank, M. G. (2003). <u>Human smiles: Expression of emotion or communicative gesture?</u> Paper presented at the Annual ICA Conference, San Diego.

Frank, M. G. (2001). <u>Communicating truthfulness: Actual and perceived consistency across deception situations</u>. Paper presented at the annual National Communication Association Conference in Atlanta, GA, November 1-4, 2001.

Frank, M.G., & Feeley, T.H. (2000). To catch a liar: Challenges for research in lie detection training. Paper presented at the annual National Communication Association Conference in Seattle, WA, November 9-12, 2000.

Swihart, G., Yuille, J.C., Frank, M.G., & Ekman, P. (2000). Credibility assessment using verbal versus nonverbal clues with factual and opinion lies. Paper presented at the Annual Canadian Psychological Association Conference, Ottawa, ONT, July 26-29, 2000.

Frank, M.G. & Shavelsky, M. (2000). Communicating with different types of smiles. Presented at the International Communication Conference, Acapulco, Mexico, June 1-5, 2000.

Frank, M.G. (1999). Decoding interpersonal deception by attending to cognitive and emotional signals. Presented at the National Communication Association Conference, Chicago, IL., Nov. 4-7, 1999.

Ekman, P., & Frank, M.G. (1999). Detecting deceit from demeanor. Presented at the Biennial Psychology-Law Conference, Dublin, Ireland July 6-10, 1999.

Frank, M.G. (1998). Detecting deception and emotion in Americans and Australians. Presented at National Communication Association Conference, New York, NY, Nov 20-23, 1998.

Frank, M.G. (1998). Individual differences in the ability to appear credible. Presented at the International Communication Association Conference, Jerusalem, Israel, July 20-24, 1998.

Frank, M.G. (1998) Paul Ekman's contribution to deception research. Presented at the annual meeting of the American Psychological Society meeting, Washington, DC May 21-24, 1998.

Frank, M.G. (1996). Detecting interpersonal deception across situations. Presented at the Annual International Communication Association Conference, Chicago, IL, May 22-27, 1996.

Frank, M.G. (1995). Judging lies: Are some people consistently better than others? Presented at the Australian Social Psychologist's Annual Meeting, Hobart, TAS, April 20-22, 1995.

Frank, M.G. (1994). Assessing deception. Presented at the University of Sydney, Faculty of Law, Continuing Legal Education series *Psychology and the Legal Process.* Sydney, Australia, March 23, 1994.

Frank, M. G. (1994). Confidence and accuracy in detecting deceit. Presented at the Australian Social Psychologist's Annual meeting, Cairns, QLD., April 16-18, 1994.

Frank, M. G. (1993). Identification of different smiles. Presented at the Australian Social Psychologist's Annual meeting, Newcastle, NSW, April 19-21, 1993.

Frank, M. G., & Ekman, P. (1992). <u>Generality of the ability to detect deception.</u> Presented at the Annual American Psychological Association Conference, Washington, DC, 1992.

Frank, M. G. (1991). <u>Micromeasurement of the face reveals dynamic differences between enjoyment smiles and other smiles.</u> Presented at the Western Psychological Association Convention, San Francisco, CA, April 23-25, 1991.

Frank, M. G. & Ekman, P. (1990). <u>Do children lie? Narrowing the uncertainties</u>. Presented at the Biennial American Psychology - Law Society meeting, Williamsburg, VA, March 14-16, 1990.

Service, Consulting, and Workshop Presentations.

* Denotes multiple training/consulting/workshop sessions

U.S. Local Law Enforcement:

Buffalo- Niagara Area Law Enforcement *
Los Angeles Sheriff's Department *
New Jersey State Police *
Rutgers Police *
Los Medanos Police College of Northern California. *
Oregon Police Supervisors
Colorado Association of School Resource Officers
Massachusetts Coalition for the Prevention of Juvenile Fire Setting *
Massachusetts State Police *
SUNY Police & Chiefs *
Ohio Fraud Investigators *

U.S. Federal Law Enforcement and related agencies:

US Federal Law Enforcement Training Center, Glynco, GA *
         (Includes ATF, US Marshals, Border/Immigration/Customs, DEA)
National Counterintelligence Executive (FBI, CIA, MI, etc.) *
US Army Southern Operational Command Special Operations Forces
Central Intelligence Agency *
Defense Intelligence Agency *
Federal Bureau of Investigation *
Naval War College
Naval Criminal and Investigative Service (NCIS)
NIH Office of Research Integrity
United States Department of State - Foreign Service Institute & Passport Office *
Bureau of Alcohol, Tobacco, & Firearms *
United States Department of Justice *
United States Bureau of Prisons *
US Department of Commerce - Office of Inspector General
United States Coast Guard *

US Army Military Intelligence Units *
US Air Force Security Police *
National Response Team *
National Security Agency *
Transportation Security Administration Aviation Security Inspectors *
Transportation Security Administration Behavior Detection Officers. *
US Federal Air Marshals *
International Association of Arson Investigators. *

International Law Enforcement:

Australian Authorities.
Victoria Police *
Victoria Forensic Science Centre *
Queensland Crime and Misconduct Commission *
West Australia Police & Fire Investigators *
Queensland Police & Fire Investigators *
Australian Customs *
Australian Federal Police *
Australian Tax Office Investigations *

UK Authorities.
The Kent Constabulary
The Nottinghamshire Constabulary
The National Crime Faculty
Portsmouth University Police College
Metropolitan Police (Scotland Yard) *
Anti-Terrorism Branch MI-5
British Transport & Customs *

Continental European Authorities.
Belgian Federal Police (Brussells, Belgium).
The Hague & Other District Police (The Netherlands) *
Federalazione Italiana Instituti Investigazione (Federal Investigators, Italy) *

Canadian Authorities.
Canadian Security and Intelligence Services. *
Canadian Polygraph Association/ Police College *
Combined Canadian, US, UK Transport Security Groups.
Toronto Police Service/RCMP

Asian Authorities.
The Singapore Police Force *
The Singapore Ministry of Home Affairs. *
 Hong Kong University Centre for Criminology *

Other international.
  The Israeli Polygraph Examiners Association.
  The Five Eyes (US, UK, Canada, Australia, NZ; held in Ottawa) *

Judges and the Courts: Local.

  NY State Judges Annual Conference
  NY State Appellate Division, Law Guardian Program
  New Jersey Judicial College.
  New Jersey Office of Administrative Law *
  New Jersey Attorney General's Advocacy Institute
  New Jersey Legal Mediators
  Pennsylvania State Trial Judges *
  American Inn of Court Judges *
  National Municipal Court Judges Association
  Hawaii State Court Judges
  Hawaii Hearing Board Officers
  Hawaii Civil Rights Commission
  Florida Judicial College (and advanced studies) *
  11th Circuit Court, Southern District
  Louisiana and Mississippi Judicial College
  Florida Bankruptcy Court *
  Florida Bar Association

Judges and the Courts: Federal & International.

  United States Federal Judiciary *
  Federal Court Advisory Committee
  United States District Court (various) *
  New South Wales Judicial Commission (Australia) *
  Belgian Magistrate Judges

Other General Service/Consulting.
  Various U.S. Government Law Enforcement/Intelligence Agencies and Bureaus.*
  New South Wales Transcultural Mental Health Centre; Sydney, Australia.
  American Assoc'n for the Advancement of Science (Children's Science Show).
  UB School of Social Work ; CTSI

Media Appearances (until 2014).

  Interviewed about my own research, including feature articles, in over 100 National and International television, radio, and print media appearances. Media appearances since coming to University at Buffalo in September, 2005, but stopped tabulating 2014:

- <u>Minneapolis StarTribune</u>: *Computers appear to do better than humans at detecting emotions.* May 3, 2014.

- NY Times (Melbourne Age, Sydney Morning Herald, Singapore Today Online, Pain Medicine News, etc). *Reading Pain in a Human Face* April 28-30, 2014. NY Times includes and interactive demonstration.
- NSF press release: *Computer based system better at detecting pain*. April 11, 2014.
- Claims Journal. *Computers better than people at spotting pain.* April 8, 2014.
- WBFO Radio interview (also Counsel & Heal, Innovations Report, Tech Times). *Computers better than people at spotting pain*. April 7, 2014.
- Zee News, Science Newsline, Health Canal, Science Codex, ECN Magazine and Daily News & Analysis. *A computer-vision system can distinguish between real or faked expressions of pain more accurately than humans can.* April 3, 2014.
- Women's Health Magazine: *How to Tell If Someone's Lying Online.* Interview, September 16, 2013.
- Popular Sciencei.com. *FYI: Which emotion is the hardest to fake?* Interviewed about facial expression, posted by Emily Ferber, May 16, 2013.
- Discovery News. *Apes and Olympians celebrate the same way.* Interviewed about the universality of emotions such as pride and triumph. August 6, 2012. Reprinted same day on MSNBC as *Fist-pumping celebrations by Olympians linked to primates.*
- Houston TV Channel 2 web site: Mentioned as person providing some of the research to support the TSA spot program, in article entitled: *Criticisms plague airport security program;* Sept 7, 2012.
- BBC World Radio, *Material World Show,* on computers and liars. April 12, 2012.
- Many other on line sites on the computer system identifying liars. (April, 2012)
- NY Times (on line): *Computer system identifies liars.* Scuttlebot, March 12, 2012.
- Homeland Security News Wire: *Computer spots liars by looking at the way they talk.* March 9, 2012. Story about our published work.
- NDTV: *New software can spot liars accurately.* Indo-Asian News Service, March 9, 2012. Story about our published work.
- Bigthink.com: *New software knows if you're lying*. Orion Jones, March 8, 2012.
- Physorg.com: *UB team's software set to eyeball liars*, March 8, 2012, by Nancy Owano. Story about our published work below.
- Scientific American: *In-your-face: Can computers catch you telling a lie?* Story about my work automating deception detection, March 5, 2012, by Larry Greenemeier.
- National Public Radio. *Next In Line For The TSA? A Thorough 'Chat-Down'.* Commented on new TSA security study, August 16, 2011.
- Health Day: *Scrutinizing faces might catch liars*. Reported study with CM Hurley, July 20, 2011.
- Science Daily: *Be still my eyebrows: Liars under scrutiny can't completely suppress facial expressions.* Reported study with CM Hurley, July 20, 2011.
- Medicalxpress.com: *Researchers say liars can't completely suppress facial expressions*. July 14, 2011.
- Health Canal, Health Digest magazines: *Be still my eyebrows.* Reported stories on my research with CM Hurley on suppressing facial expressions, July 13, 2011.
- Deception. Featured on Korean Broadcasting System program on deception and lying. June, 2011.

- Science of Sin. Canadian television series on 7 deadly sins, I was interviewed about pride. 4 part series aired April-May, 2011.
- Buffalo News editorial *The lure of 'soft' targets* comments about airport security, February 12, 2011.
- Psychology Today February, 2011 issue (p 56) *Secrets of Special Agents*, by Kaja Perina.
- The Wall Street Journal: *Wary investors turn to lie pros* Tuesday, January 4, 2011, by Kyle Stock.
- Business Insider, December 30, 2010: *Wall Street Firms Keep Begging Me To Screen Interviewers, Says Deception Detector*, by Courtney Comstock, article discussing how Wall street wants deception detectors, and how I haven't done so.
- Sci-Trek "Deception" Discovery Science Channel, October, 2010
- *WIVB TV Buffalo Channel 4* "Body Language offers insights on McCray" and "Tools to analyze if someone is lying" aired September 7, 2010 and on website http://www.wivb.com/dpp/news/buffalo/Tools-to-analyze-if-someone-is-lying .
- *Discovery Science Channel*: Featured expert on hour long *Sci-Trek* program entitled "To catch a liar." Aired June 7, 2010.
- *Los Angeles Times*. Interviewed about the future of behavioral detection in security settings for an article entitled "Detecting a crime before it happens", by Bob Drogin. May 28, 2010.
- *Nature.* Interviewed in a News Feature called "Intent to deceive" by Sharon Weinberger about behavioral detection in security settings; *Vol 465*, 27 May, 2010.
- *Science Daily*: Interview with me on how behavioral science may have detected the Christmas Day attempted terrorist attack (January 7, 2010). This interview republished in approximately 10 other web sites.
- *CNN*: January 1, 2010 – phone interview on how behavioral science may have detected attempted terrorist attack on Northwest Airlines flight. (*not sure if aired*)
- *San Francisco Chronicle* article by Seth Rosenfeld "Fib expert tells the truth about 'Lie to Me' describes how one of the main characters on the Fox TV's show "Lie to Me" is loosely based on Mark Frank, Director of Communication Science Center at University at Buffalo (September 26, 2009, page E1).
- Featured in *Forbes Magazine.com* article "He lied, she lied" from the August 26, 2009 edition talking about deception and relationships.
- Featured in *UB Reporter* magazine "Researcher unmasks and deciphers deception's many forms" posted July 1, 2009.
- Featured in "Weird Connections" series on *Discovery Science Channel* discussing my deception research, how it links with technology and how it can ultimately help catch terrorists. December 23, 2008, rebroadcast May 9, 2009.
- Featured in April 2009 *Men's Health Magazine* to talk about my research on smiling and how it may relate to relationships.
- Guest on *Les Szekly morning radio show*, WEOL –AM 930 Cleveland, February 5, 2009, to talk about my research on micro expressions.
- Featured in *Albany Times-Union* article "A grin, or can't you bear it?" by Cathleen Crowley, December, 29, 2008, on my research on smiling.

- Featured in *Discovery Science Channel* series called "Most Evil" discussing my research and how it might relate to catching scheming murderers; aired February 14, 2008, and repeated periodically.
- Featured in *Washington Post* article "Truth be told…" by Dan Zak, November 25, 2007, page N 6.
- Featured on *National Public Radio Morning Edition* "Lies as plain as the nose on your face", correspondent Dina Temple-Raston, Series on Deception Detection, October 31, 2007.
- Featured in *San Diego Tribune Articl*e "Experts fluent in candidates' nonverbal cues", Page A-1, September 3, 2007.
- Featured in UB *Impact Magazine* May, 2007
- Featured on *The Big Idea with Donnie Deutsch* show on CNBC discussing micro expressions and lying; aired March 15, 2007
- Featured in *Syracuse Post Standard* article discussing lying; January 23, 2007
- Featured in *National Defense Magazin*e article "Researchers Tout New Airport Screening Concepts" December, 2006.
- Featured in *Industrial Engineer Magazine* titled "Shaky rails: Perils and prospects of railroad transport" December, 2006, vol 38, No. 12, pg 26.
- Featured on *Channel 4* (WIVB-TV) News on "Spotting liars" November 8, 2006
- Appeared in *Atlanta Journal Constitution* article on deception, November, 2006.
- Appeared in *Washington Post* Op-Ed article on deception, October 29, 2006.
- One of 3 participant/scientists featured in an NSF sponsored press conference on airport security; September 28, 2006.
- *Newsday* interview Sept 27, 2006
- Article on my research in *UB Alumni Magazine* September, 2006.
- *Aviation Daily* interview on deception and security Sept 12, 2006.
- Expert quoted in *Time Magazine* August 28, 2006 issue ("How to spot a liar")
- Interview appeared in *USA Today Newsletter*. New York: Aug 2006. Vol. 135, Iss. 2735; pg. 6,
- Featured on *CNN Paula Zahn Show* August 24, 2006 (repeated periodically)
- Expert quoted in *Time Magazine Online* August 21, 2006, discussing lie catching.
- Quoted in *AOL OnLine* article on deception, August 22, 2006
- Guest on Station KAHL "The Ron Thulin Show", San Antonio, August 18, 2006 to talk about my work on deception.
- Featured in *WIVB Buffalo* August 16, 2006 (Wake Up! Show)
- Featured in opening story on *CBS Evening News* August 15, 2006 (and CBS News Online) concerning our research on airport security and behavior.
- Featured in *Fox News channel* in April 9-10, 2006 story on my work with airport security and behavior.
- Featured in *Innovations* (Informatics newsletter) twice Winter 2005, Spring 2006
- Featured in May 2006 UB's *Impact* magazine on research related to deception.
- Featured in *Buffalo News* 2/21/06 article on DHS funded research on security.
- Featured in *NPR* news interview (local) in April 20, 2006 on detecting deception.
- *NPR interview* for "On Point" show, January 6, 2006 to discuss deception.
- *WBEN Radio* morning news show interview in January 9, 2006 to discuss deception.

- *Buffalo Business First Magazine* January 13, 2006 article on my research.

University Service.

University at Buffalo

Faculty Athletic Representative, (2021-*present*)
Chair, Intercollegiate Athletic Board (2016-*present*)
Member, Provost committee on AI & Society Advisory Committee (2025-present)
Member, CAS committee on AI & Society working group (2025-present)
Member, Mid America Conference Infractions Committee (2023-present)
Member, Athletics Hall of Fame Committee (2023-present)
Member, Athletics *Ideal Bull* selection committee (2021-present)
Member, UB Athletics *Stronger Together* Task Force (2023-present)
Invited judge, SOM *Annual PhD Showcase* Poster session *(Feb 21, 2025).*
Member, UB Mutual Aid Policy working group (2024).
Member, UB *Re-envisioning the MAC* working group (2024-2025)
Member, Search Committee for Director, Overseas and Intercultural Programs (Staff Associate), 2023.
Member, Search Committee for VP for Student life, Spring, 2021.
Convener, Office of International Education CAS representative International Launch Committee (2021-present)
Chair, College of Arts & Sciences Scientific Review Committee (2018-*present*)
Member, Middle States Advisory Self-Study group (2022-2024)
Executive member, Center for Information Integrity (2022-*present*)
Presenter, CTSI Mentoring workshops (2018-*present; Annual presentations*)
Member, Enterprise Risk Management Committee for Athletics, Spring, 2021.
Member, Dean's Faculty Advisory Committee on Associate deans, Fall, 2020.
Member, President's select committee on Greek life, Spring, 2019.
Member, Search Committee for UB Athletic Director, Spring, 2018.
Member, Search Committee for CAS Director of Communications, Fall/Spring 2015
Member, Search Committee for VP of Communications, Fall 2013.
Member, Evaluation Committee for Dean of School of Management, 2013.
Member, Search Committee, SPS Head, 2013.
Member, Presidential Graduate Fellowship committee, 2011-2016
Chair, Department of Communication Faculty Search Committee (2008-10).
Member, Social & Behavioral Science Institutional Review Board for Human Subjects, 2005-2020.
Advisory Board, UB Center for Uniform Biometrics and Sensors (CUBS), 2006- *present.*
Member, UB 20/20 Extreme Events Committee/Working Group (2006-*present*).
Member, Dean's Faculty Advisory Committee for Extreme Events (2007-*present*).
Extreme Events representative on Psych & OMS Faculty Search Committees (2007-08).
UB 20/20 ICT working group (2007- *present*).
SUNY Protect NY Committee (2005- *present*).
Department of Communication Faculty Search Committee (2005, 2006, 2012, 2013).
Department of Communication Graduate Student Admission Committee (2007-2008).
School of Informatics Personnel Review Committee (2006).
UB Federal Affairs Lecturer in Washington, DC (February 2007).

UB "Cutting Edge" Lecture 2-23-08 & UB Summer Lecture Series presentation 8-5-09.
UB Foundation Demonstration "Detecting liars" November, 2006.
Alternate, UB Faculty Senate.

<u>*Rutgers University*</u>
University Institutional Review Board for Human Subjects (1999- 2005).
University Homeland Security Working Group (2001-2005).
Communication Department Faculty Search Committee (twice).
Graduate Student Review Committee (twice).
Undergraduate Awards Committee Chair (1997-2003).
SCILS Research Development Committee   (1996-2000).
SCILS Research Day Organization Committee (1998-2005).
Communication Department TA Advisor (2000-2005).
SCILS Personnel Review Committee
Lambda Pi Eta Faculty Advisor
SCILS Rules and Procedures Committee
University Hearing Board
University Public Safety Committee

Teaching Interests and Experience.

Lecturer, <u>University of New South Wales,</u> 1992-1995.
I taught a number of undergraduate courses in Psychology, as well as presented graduate level lectures. In terms of student evaluations of my teaching ability, I have consistently scored significantly higher than the University of New South Wales average for overall teaching ability, averaging **8.2 on a 1 (poor) to 9 (excellent)** scale.
Whilst at UNSW, I taught *Introductory Psychology*, *Introductory Personality and Social Psychology*, *Advanced Social Psychology*, and a seminar on *Emotion and Expressive Behaviour.*
I also coordinated the weekly Ph.D. student research seminar, where students were asked to present papers and then receive constructive criticism on both the content and mechanics of their presentations. Whilst at UNSW, I advised 20 honor student theses, and two Ph.D. theses.

Assistant/Associate Professor, <u>Rutgers University,</u> Spring of 1996 – Spring of 2005.
I taught Nonverbal Communication, Introduction to Communication, Research Methods, and a graduate level course on Credibility and Persuasion. I have also been involved in various team-taught courses (e.g., Communication Theory, Graduate Pro Seminar in Communication and Information) that are not listed below, as well as numerous guest lectures. Whilst there I was a member of 4 Ph.D. committees, and have supervised 15 undergraduate Honor's theses or graduate/undergraduate independent study research projects.
Finally, I was one of 20 professors throughout Rutgers University to be awarded "Master Teacher" status in 2004-2005.
Composite Rutgers Teaching Evaluations. (*Overall* evaluation; 1 = *poor*, 5 = *excellent*)
Rutgers: Undergraduate courses.

Nonverbal Communication:	Average 49 students per class, mean evaluation = 4.97
Research Methods:	Average 180 students per class, mean evaluation = 4.44
Introduction to Communication:	Average 444 students per class, mean evaluation = 4.73

Rutgers: Graduate course:

Credibility and Persuasion:	Average 19 students per class, mean evaluation = 4.79

***Associate/Full Professor*, <u>University at Buffalo,</u> Fall of 2005 - *present*.**

   I taught four Ph.D. courses: Communication Proseminar; Research Methods; Advanced Nonverbal Communication; Communication and Deception, and Facial Communication. I also teach undergraduate courses on Nonverbal Communication, Forensic Communication; and Communication Research Methods.

<u>Composite Teaching Evaluations for University at Buffalo.</u>
(I would recommend this instructor to other students; 1 = strongly disagree, 5 = strongly agree).
   <u>Buffalo: Graduate Courses:</u>

Nonverbal Communication:	Average 12 students, evaluation = 4.73
Communication and Deception	Average 9 students, evaluation = 4.90
Facial Communication	4 students, evaluation = 5.00

   <u>Buffalo: Undergraduate Course:</u>

Nonverbal Communication:	Average 43 students, mean evaluation = 4.70
Research Methods:	Average 46 students; mean evaluation = 4.41