DATA SCIENCE & ARTIFICIAL INTELLIGENCE INITIATIVE WORKSHOP ON ADJUDICATION OF AI
Neurotechnologies, Brain Function & Cognition Evidence
JUNE 5 - 7, 2024 · RALEIGH, NORTH CAROLINA
WORKSHOP AGENDA

National Courts and Sciences Institute

SJI
State Justice Institute

WEDNESDAY, JUNE 5, 2024

6:00 p.m. Program Overview and Reception, Sheraton Raleigh Hotel Welcome from the NC Supreme Court; and Michael T. Silver, Training Director, Administrative Office of North Carolina Courts

6:20 p.m. Workshop Introductions, Hon. Eric C. Morgan, Coordinator, NC Jurisdiction Team and Workshop Faculty, Hon. Gary W. Lynch, DS&AI Curriculum Coordinator, Senior Judge, Missouri Courts

6:40 p.m. Emerging AI: A Law and Technology Perspective, Robert A Heverly, Associate Professor of Law, Albany Law School and Affiliated Fellow with the Information Society Project at Yale Law School.

7:10 p.m. Workshop Procedure, Questions to be Addressed, Answers to be Sought, Hon. Gary W. Lynch, Data Science & Artificial Intelligence Curriculum Coordinator, Senior Judge, Courts of Missouri.

7:20 p.m. Lightening Roundtable: Brain Function and Criminal Behavior. Dr. Kent A. Kiehl, Professor of Psychology, Neurosciences and Law, University of New Mexico; Dr. Tor D. Wager, Diana L. Taylor Distinguished Professor of Presidential Cluster in Neuroscience and Department of Psychological and Brain Sciences, Dartmouth College; Dr. James R. Blair, Professor of Translational Psychiatry, University of Copenhagen, Denmark

8:00 p.m. Adjourn for the Day

THURSDAY, JUNE 6, 2024

7:30 a.m. Breakfast at the Hotel

8:00 a.m. Procedure for the Day, Hon. Gary W. Lynch., Senior Judge, Courts of Missouri, DS&AI Curriculum Moderator

8:15 a.m. Machine Learning and Brain Research Methods Overview, Dr. James R. Blair, Professor of Translational Psychiatry, University of Copenhagen, Denmark

9:00 a.m. Brain Turbocharging and the Placebo Affect, Dr. Tor D. Wager, Professor of Neuroscience, Dartmouth College

10:00 a.m. Cases in Courts, Hon. Michael F. Pietruszka, DS&AI Case Coordinator, Judge Erie County New York, retired.

10:30 a.m. Refreshment Break

11:00 a.m. How Strong is AI Evidence? Dr. Daniel T. Lackland, Professor of Epidemiology / Neurology, Medical University of South Carolina, Charleston

11:30 a.m. First Cut for Hands-on ChatGPT4 & AI Image generation, DALLE, Mid Journey

THURSDAY CONTINUED

12:00 p.m. Lunch w/speaker: The Psychopathic Brain - Prof. Kiehl, with Commentary on Biomarkers by Dr. Lawrence C. Mohr, Distinguished Professor of Medicine, Medical University of South Carolina, Charleston. Commentary on courts by NC judicial team.

1:00 p.m. Advanced Perspectives on Law and Technology, Prof. Robert A. Heverly, Albany Law School and Affiliated Fellow, Yale Law School. Commentary by Professors Farahany, Blair and Kiehl. General discussion.

2:00 p.m. The Battle for Your Brain: Perspectives on Implications of Emerging Neuroscience and Artificial Intelligence for Law and Society, Nita A. Farahany, Robinson O. Everett Distinguished Professor of Law and Philosophy, Duke University School of Law

3:00 p.m. Refreshment Break in Small Groups, Each with a Technology Advisor, Second Cut Hands-on Problem Prompts to Generative AI Technologies. How Good are the Responses? How Accurate the Images? Can AI be Used by Juries to Inform Verdicts: What, if any, at trial and on appeal, are the benefits, dangers to rights, risks to defendants and others, and procedural safeguards needed?

4:30 p.m. Groups Report Back and workshop discussion.

5:15 p.m. Summary of where things stand at day's adjournment, Hon. Gary W. Lynch

5:30 a.m. Dinner on Our Own

FRIDAY, JUNE 7, 2024

7:30 a.m. Breakfast at the Hotel

8:30 a.m. Technical Roundtable - Reflections & New Observations and Thoughts from Thursday's Session, Participants TBD

9:15 a.m. Courts' Roundtable - Reflections & New Observations / Thoughts from Thursday's Session, Participants TBD

10:00 a.m. Refreshment Break in the Plenary: Use AI Third Cut Prompts to Solve a Complex Civil Dispute, Hon. Michael F. Pietruszka Presenting

11:00 a.m. In the DS&AI Initiative Report, Implications that Bench Books and Training Modules Focus Upon AI in (a) Qualification or Disqualification of Expert Witnesses; (b) Admissibility or Exclusion of Evidence; (c) Rulings on Motions for Jury Instructions; (d) Pre-trial Voir Dire and Briefing of Criminal Case Juries; (e) structure and content themes for State Justice Institute Newsletter article.

12:15 p.m. Adjournment, Box Lunches, Safe Travels Home.