With empirical evidence from artists and architects supported by scientific data, “Drawing and the Brain” seeks to focus on the places of intersection and discussion surrounding the art and science of the sketch. The two day symposium aims to bring nationally and internationally renowned scholars and artist/architects together in discussion sessions to test ideas of authorship, the shared human voice, and the anonymous human in design today, and to examine the empirical and scientific evidence for the importance of the connection between the hand and the brain as a primary part of creation, invention and learning. A parallel gallery exhibition of sketches and completed works by artists/architects will document the place of the sketch in the process of creative work.

Dr. Michael Arbib
Fletcher Jones Professor of Computer Science, and Professor of Biological Sciences, Biomedical Engineering, Electrical Engineering, Neuroscience and Psychology, University of Southern California.
“How the Hand Helped the Brain Get Language: Implications for Drawing?”

Frank Wilson M.D.
Stanford University, School of Medicine, Professor Emeritus
“Hand and Brain: Ten Years of Looking, Twenty Years of Listening”

Dr. David Kirsh
Professor Dept. of Cognitive Science, University of California at San Diego
“Cognitive Benefits of Sketching”

Judith E. Fan Ph.D.
Psychology Department, Psychology, Neuroscience, and Cognitive Science, Princeton University
“Drawing as Cognitive Technology”

Caleb Weintraub
Professor, Painting, School of Art and Design, Indiana University
“Humanism: Legibility of the Author and Mark Making”

Thomson Lyon Mills
Professor, Foundation Drawing, Rhode Island School of Design
“Obscurem per Obscurius”

Anthony Fisher
Professor, College of Visual and Performing Arts, University of Massachusetts, Dartmouth
“The Embodied Psyche in Drawing”

David Braly
Architect/Artist
“Drawing What We Can See: Imagining What We Cannot”

Marleen Newman
Associate Director, IUCA+D, Indiana University, School of Art and Design
Moderator: The Human Voice: Insight, Revelation, Inspiration, Creation

Will Bruder
President, Will Bruder Architects, FAIA
“from HEAD to HEART to HAND...DRAWING in the DIGITAL AGE!”

Dr. Barbara Tversky
Professor of Psychology, Columbia Teachers College and Professor Emerita of Psychology, Stanford University
“Deconstructing and Reconstructing”

Gabriela Goldschmidt
Faculty of Architecture and Town Planning Technion, Israel Institute of Technology

William Gwin
Artist/Architect, Professor Emeritus Architecture, Auburn University
“Seeing, Drawing, and Making”

Dr. Rob Goldstone
Chancellor’s Professor Psychological and Brain Sciences/Cognitive Sciences, Indiana University
Moderator: Linkages/Art/Design/The Brain/The Computer

Dr. Kenneth Forbus
Walter P. Murphy Professor of Computer Science and Professor of Education, Northwest University
“CogSketch: Sketch Understanding for Cognitive Science Research and for Education”

Juhong Park
Professor, School of Architecture, University of Miami
“Artificial Neural Networks and Human Collaboration”

Patty Heyda
Professor, Architecture and Urban Design, Sam Fox School, Washington University
“The Legacy of Layering: Drawing Techniques for the Contemporary Condition”

Carl Lostritto
Professor, Architecture, Rhode Island School of Design
“How Drawings Become Architectural Drawings: Seeing, Thinking, and Computing”

T. Kelly Wilson
Director IUCA+D, Indiana University School of Art & Design
Moderator: Introduction Drawing and the Brain

Jennifer L. Riley
Artist, Writer and Curator
“IUCA+D Exhibition Curator: Drawing upon Drawing”