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Education:

- 1987-1996 Ph.D. in Industrial and Organizational Psychology, Graduate Center, The City University of New York (CUNY), New York, New York. (I/O subprogram located at Baruch College.)
Dissertation: Difference within organizational culture. Advisor: Dr. Joel Lefkowitz.
- 1987-1993 Masters of Science Degree in Industrial and Organizational Psychology, Baruch College, CUNY, New York, New York.
Thesis: The distinctiveness of the Facet Importance and Wanted Amount job satisfaction constructs. Advisor: Dr. Joel Lefkowitz.
- 1983-1987 Bachelor of Arts Degree in Psychology. State University of New York at Buffalo, Amherst, New York.
Honors Research Study: The effects of Facet Amount and Facet Importance on Wanted Amount and Job Satisfaction. Dr. Robert W. Rice.

Professional Positions:

- 1998-present Department of Psychology, John Jay College of Criminal Justice, CUNY. Full Professor (2008 - Present). Associate Professor of Psychology (2002 - 2008) Assistant Professor of Psychology (1998 -2002). Administrative Deputy Department Chair (2002 - 2004). Courses taught: *Structural Equation Modeling*, *Quantitative Methods I* and *Quantitative Methods II* in Criminal Justice (CRJ) Ph.D. program, *Psychometrics* in Educational Psychology, Forensic Psychology, and CRJ Ph.D. programs, *Program Evaluation Research* in Educational Psychology Ph.D. Program, *Training and Evaluation* in Industrial/Organizational Psychology Ph.D. Program, *Research Methods and Design* and *Data Analysis* in Forensic Psychology M. A. program, and *Experimental Psychology* and *Introductory Statistics* in Forensic Psychology BA program. Member of CUNY Doctoral Faculty: Industrial-Organizational Psychology (Spring 2002), Educational Psychology (Spring 2002), Forensic Psychology (Spring 2004), Criminal Justice (Spring 2004). Chair: Thomas Kucharski.
- 1996-1998 Department of Psychology, John Jay College of Criminal Justice, CUNY. Adjunct Assistant Professor of Psychology. Part-time. (Full-time substitute in Spring 1998) Courses taught: *Principles and Methods of Statistics*. Emphasize statistical thinking skills and verbalization. Received positive feedback from students including formal course evaluations. Two sections in Fall 1996. Three sections in Spring 1997. Three in Fall 1997. Two *Statistics* one *Experimental Psychology* in Spring 1998. Chair: Dr. Jack Zlotnick.

- 1996-1997 Department of Psychology, Baruch College, CUNY. Adjunct Professor of Psychology. Part-time. Courses taught: *Human Motivation* and *Cognitive Psychology*. Successfully used "Bartleby the Scrivener" by Herman Melville to render Motivation material concrete. Later applied similar approach in *Cognitive Psychology* class. Met individually with students seeking advice about graduate studies. Received positive feedback from students in formal course evaluations and unsolicited comments; also from formal and informal peer review. Two courses in Summer 1996 (June-July). One course in Spring 1997. One in Summer 1997. Chair: Dr. Walter Reichman.
- 1995-1997 Office of Institutional Research and Analysis, CUNY. Analyst. Part-time for two years. Assisted in specification of research questions, development of analysis strategies, analysis of data, and reporting of results. Built capacity for future research on remediation. Provided input to other projects based upon knowledge of psychometrics, data analysis, and organizational behavior. Supervisor: Dr. David Crook.
- 1995-1997 Consultant.
1996-1997: Ad-hoc consulting on research methods and design for Torres and Associates. Supervisor: Self.
1995: Part-time for intermittent periods. Continuation of program evaluation activities for Torres and Associates and for ARETE Corporation. Supervisor: Self.
1993-1994: Torres and Associates. Program Evaluator. Part-time for one year. Wrote proposals. Met with clients. Developed new projects. Collected data. Designed and executed data analysis. Wrote evaluation reports and journal articles. Supervisor: Dr. Judith Stern Torres.
- 1991-1993 Office of Institutional Research, Hostos Community College, CUNY. Program Evaluator. Part-time for two years. Carried out all phases of research from project development to report writing. Evaluated psychometric properties of student course evaluation. Analyzed problems with institutional data system and developed solutions to problems. Served as a statistical consultant to faculty and staff. Supervisor: Dr. Judith Stern Torres.
- 1991 New York City Board of Education. Statistical Consultant. Part-time for one quarter. Carried out data extraction and data analysis, installed software, wrote reports. Supervisor: Shelley Fischer.
- 1989-1990 Personnel Research, The Prudential. Research Assistant. Part-time for one year. Carried out data analysis for both large and small scale personnel research projects, including employee opinion surveys. Acted as a statistical consultant. Wrote reports. Supervisors: Dr. Philip J. Manhardt and Dr. Linda Bodnar.
- 1987-1989 Department of Psychology, Baruch College, CUNY. Research Assistant. Part-time for two years. Aided in various research activities including library research, project development and research synthesis. Supervisor: Dr. Lawrence Zeitlin.
- Professional Associations:
 The Academy of Management.
 Research Methods Division.
 American Educational Research Association.
 Division D--Measurement and Research Methodology.

American Evaluation Association.

American Psychological Association.

Society for the Teaching of Psychology (Division 2, former member).

Evaluation, Measurement, and Statistics (Division 5).

Society for Industrial and Organizational Psychology (Division 14).

American Psychology-Law Society (Division 41, former member).

International Society for Theoretical Psychology (former member).

National Council on Measurement in Education.

New York Academy of Science (former member).

The Philosophy of Science Association.

The Psychometric Society.

Society for Philosophy and Psychology (former member).

Editorial Activities:

Associate Editor of *Psychological Methods* 2007-2012, 2017.

Associate Editor of *Structural Equation Modeling* responsible for review section 2007-2009.

Reviewer Activities:

Ongoing

Editorial board for *Psychological Methods*. Since 2005. Ad hoc reviewer s1999-2005.

Consulting Editor for *Multivariate Behavioral Research* from 2004-2006. Ad hoc reviewer 1997 - 2004, 2006-present.

Ad hoc reviewer for *Theory and Psychology*. Since 2007.

Ad hoc reviewer for *Synthese*. Since 2005.

Ad hoc reviewer for *Organizational Research Methods*. Since 2005.

Ad hoc reviewer for *American Psychologist*. Since 2004.

Ad hoc reviewer for *Psychological Assessment*. Since 2003.

Ad hoc reviewer for *Applied Psychological Measurement*. Since 2002.

Ad hoc reviewer for *Police Quarterly*. Since 2002

Ad hoc reviewer for *American Educational Research Journal*. Since 2000.

Ad hoc reviewer for *Psychometrika*. Since 2000.

- 2004 Reviewer for Division 5 conference program. The 113th Annual Convention of the American Psychological Association.
- 2003 Reviewer for Division 5 conference program. The 112th Annual Convention of the American Psychological Association.
- 2002 Reviewer for Division 5 conference program. The 111th Annual Convention of the American Psychological Association.
- Reviewed the draft *Principles for the Validation and Use of Personnel Selection Procedures* for SIOP.
- 2001 Reviewer for Division 5 conference program. The 110th Annual Convention of the American Psychological Association.
- 2000 Reviewer for Division 5 conference program. The 109th Annual Convention of the American Psychological Association.
- 1998 Reviewer for Division 5 conference program. The 107th Annual Convention of the American Psychological Association.
- Reviewed draft for revised *Standards for Educational and Psychological Testing*.
- Reviewed for Annual Convention of the Society for Industrial and Organizational Psychology.
- 1997 Reviewer for Division 5 conference program. The 106th Annual Convention of the American Psychological Association.
- Reviewer for Division D -- Measurement and Research Methodology conference program. 1998 AERA Annual Meeting.
- Reviewed for Annual Convention of the Society for Industrial and Organizational Psychology.
- Reviewed Chapters 1 (Validity), 7 (Fairness in Testing and Test Use), and 14 (Employment Testing and Credentialing) of the draft revised *Standards for Educational and Psychological Testing*.
- Reviewer for Hoyle, R. H. (Ed., 1988 tentative). *Statistical strategies for small sample research*. Thousand Oaks, CA: Sage Publications.
- 1996 Reviewer for Harlow, L. & Mulaik, S. (Eds., 1997). *What if there were no significance testing*. Hillsdale, NJ: Lawrence Erlbaum Associates.
- Reviewer for Division 5 conference program. The 105th Annual Convention of the American Psychological Association.
- 1992 Ad-hoc Review, *SABE*. (Journal of the New York State Association for Bilingual Education.)
- Professional Honors:
- 2008 Erskine Fellowship, University of Canterbury, New Zealand (awarded 2006).
- 2006 Nominated for American Psychological Association Division 5 Cohen Award for Excellence in Teaching and Mentoring.

Other Professional
Activities:

- 2006/2007 to 2008/2009 Elected member at large/awards committee American Psychological Association, Division 5. 2008-2009 Award Committee Chair.
- 2005 to 2009 Web Page Editor, American Psychological Association, Division 5.
- 2002/2003 to 2004/2005 APA Division 5 Convention Program Committee. 2004 Program Chair.
- Alpha tester for MxGui, the graphical user interface for a structural equation modeling statistical software package.
- 1996 Audited Field, H. (Fall 1996). *Induction and Justification*. Doctoral Program in Philosophy, Graduate School and University Center, The City University of New York.
- 1994-1995 Co-founded various incarnations of *The Student Research Forum* in the I/O Psychology program at Baruch College.
- 1992-1993 Co-founded and coordinated *Preconfiguration of Subjectivity Study Group*. Focus: Social, psychological, and linguistic forces that shape subjective experience. Readings included W. Hollway, W. James, M. Foucault, P. Bourdieu, and M. M. Bakhtin.
- 1991-1997 Programmed and maintained *Wylbur Menu Access (WYLMMA)*, as user friendly interface for a CUNY mainframe computer (WYLBUR). After creating *WYLMMA* for my own use, I made it available to all WYLBUR users and shared it with colleagues at Hostos, Baruch, the Graduate Center, and the Office of Institutional Research and Analysis.
- 1987 Co-founded *Consciousness and Society Study Group*. Focus: Relationship between consciousness and society. Readings included H. S. Hughes and K. Marx.
- Grants Funded as PI
- 2007-2008 Test Validity: Case Studies in Test Score Interpretation and Causation. Forensic Psychology Research Institute. \$4750.
- 2005-2006 Foundations of Test Validity Theory: Systematic Readings With Commentary and Analysis (renewal). PSC-CUNY Research Award Program 36 (grant 67457-00-36). \$2700.
- 2004-2005 Foundations of Test Validity Theory: Systematic Readings With Commentary and Analysis. PSC-CUNY Research Award Program 35 (grant 66729-00-35). \$3840.
- 2003-2004 Content Coding Study of Causal Models in Psychology. Forensic Psychology Research Institute. \$3301.
- 2002-2003 Predicting deception using an empirical typology of interview responses. Co-authored by Martha Davis (visiting scholar). John Jay College of Criminal Justice Presidential Research Grants 2002-2003. \$6,000.
- Causation and causal modeling: Methodological implications of theoretical differences. PSC-CUNY Research Award Program 33 (grant #64656-00-33). \$3,840.
- 2001-2002 Writing grant: Four papers on structural equation modeling. PSC-CUNY Research

- Award Program 32 (grant #63663-00-32). \$4,078.
- 2001 Predicting diagnostic skill from academic knowledge: implications for the teaching of diagnostic skill and Psychological theory and therapy type preference groups: The question of their existence and relevance in a Master's program. Co-authored with Abe Fenster and Jeffrey Palmer. Forensic Psychology Research Institute. \$10,900.
- 2000 Attitudes toward police. Co-authored with David Brandt. The City University of New York Dispute Resolution Consortium (CUNY DRC). \$2800.
- 2000-2001 A possible worlds approach to interpreting parameter estimates under conditions of model misspecification in structural equation modeling -- renewal. PSC-CUNY Research Award Program 31 (grant #62700-00-31). \$3900
- 1999-2000 A possible-worlds approach to interpreting parameter estimates under conditions of model misspecification in structural equation modeling. PSC-CUNY Research Award Program 30 (grant #69705-00-29). \$4000.
- Grants Funded Co-PI.
- 2007 Jeglic, E. L., Mercado, C. C. (2007). Sex Offender Management, Treatment, and Civil Commitment: An Evidence Based Analysis Aimed at Reducing Sexual Violence. National Institute of Justice. \$296,656
- 2006 Crossman, A. M., Talwar, V. (2006). Smooth criminals and straight shooters: The development of children's antisocial and prosocial lying. National Science Foundation. \$175,535dd
- External Grant Applications
- Markus, K. A. & Raghavan, C. (2006). Types of Intimate partner violence: Patterns and developmental trajectories. National Institute of Justice. (Revised and resubmitted, not funded)
- Raghavan, C. & Markus, K. A. (2006). Latent transitions in stalking, physical, and sexual violence in a diverse sample of male college students: A longitudinal analysis. National Institute of Justice (Not funded).
- Markus, K. A. & Raghavan, C. (2005). Types of Intimate partner violence: Patterns and developmental trajectories. National Institute of Justice (Not funded).
- Book:
- Markus, K. A. & Borsboom, D. (2013). *Frontiers of test validity theory: Measurement, causation and meaning*. New York: Routledge.
- Journal Articles & Replies:
- Markus, K. (2021). Causal effects and counterfactual conditionals: Contrasting Rubin, Lewis and Pearl. *Economics and Philosophy*, 1-21. doi:10.1017/S0266267120000437
- Markus, K. A. (2018). Three conceptual impediments to developing scale theory for formative scales. *Methodology*, 14, 156-164. doi: 10.1027/1614-2241/a000154
- Markus, K. A. (2016). Validity bites: comments and rejoinders. *Assessment in Education: Principles, Policy & Practice*, 23, 312-315. doi: 10.1080/0969594X.2016.1156643
- Markus, K. A. (2016). Alternative vocabularies in the test validity literature. *Assessment in Education: Principles, Policy & Practice*, 23, 252-267. doi: 10.1080/0969594X.2015.1060191
- Markus, K. A. (2013). An incremental approach to causal inference in the behavioral sciences. *Synthese*, 191, 2089-2113. DOI: 10.1007/s11229-013-0386-x.

Kaufman, D., Coddling, R. S., Markus, K. A., Tryon, G. S. & Nagler Kyse, E. (2013). Effects of verbal and written performance feedback on treatment adherence: Practical application of two delivery formats. *Journal of Educational and Psychological Consultation*, 23, 264-299. DOI: 10.1080/10474412.2013.845494

Markus, K. A. & Borsboom, D. (2012). Reflective Measurement Models, Behavior Domains, and Common Causes. *New Ideas in Psychology*, 31, 54-64.

Markus, K. A. & Borsboom, D. (2012). The cat came back: Evaluating arguments against psychological measurement. *Theory and Psychology*, 22, 452-466.

Markus, K. A. (2012). Mulaik on atomism, contraposition and causation. *Quality and Quantity*, 46, 559-571.

Markus, K. A. (2010). Structural Equations and Causal Explanations: Some Challenges for Causal SEM. *Structural Equation Modeling*, 17, 654- 676.

Markus, K. A., Hawes, S. W., & Thasites, R. J. (2008). Abductive inferences to psychological variables: Steiger's question and best explanations of psychopathy. *Journal of Clinical Psychology*, 64, 1069-1088.

Markus, K. A. (2008). Hypothesis formulation, model interpretation and model equivalence: Implications of a mereological-causal interpretation of structural equation models. *Multivariate Behavioral Research*, 43, 177-209.

Markus, K. A. (2008). Putting Concepts and Constructs Into Practice: A Reply to Cervone and Caldwell, Haig, Kane, Mislavy, and Rupp. *Measurement*, 6, 147-154.

Markus, K. A. (2008). Concepts, Constructs and the Worlds of Possibility: Connecting the Measurement, Manipulation, and Meaning of Variables. *Measurement*, 6, 54-77.

Yanos, P. T., Roe, D., Markus, K. A., & Lysaker, P. H. (2008). Pathways between internalized stigma and outcomes related to recovery in schizophrenia spectrum disorders. *Psychiatric Services*, 59, 1437-1442.

Davis, M. & Markus, K. A. (2006). Misleading cues, misplaced confidence: an analysis of deception detection patterns. *American Journal of Dance Therapy*, 28, 107-126.

Davis, M., Markus, K. A. & Walters, S. B. (2006). Judging the Credibility of Criminal Suspect Statements: Does Mode of Presentation Matter? *Journal of Nonverbal Behavior*, 30, 181-198.

Davis, M., Markus, K. A., Walters, S. B., Vorus, N., & Connors, B. (2005). Behavioral cues to deception vs. topic incriminating potential in criminal confessions. *Law and Human Behavior*, 29, 683-704.

Markus, K. A. (2002). Statistical equivalence, semantic equivalence, eliminative induction and the Raykov-Marcoulides proof of infinite equivalence. *Structural Equation Modeling*, 9, 503-522.

Markus, K. A. (2001). The converse inequality argument against tests of statistical significance. *Psychological Methods*, 6, 147-160.

Fenster, A., Markus, K. A., Wiedemann, C. F., Brackett, M. A. & Fernandez, J. (2001). Selecting tomorrow's forensic psychologists: A fresh look at some familiar predictors. *Educational and Psychological Measurement*, 61, 336-348.

Brandt, D. E & Markus, K. A. (2000). Adolescent attitudes towards the police: a new generation. *Journal of Police and Criminal Psychology*, 15, 10-16.

Markus, K. A. (1998). Science, measurement, and validity: Is the completion of Samuel Messick's synthesis possible? *Social Indicators Research*, 45, 7-34.

Markus, K. A. (1998). Validity, facts, and values sans closure: Reply to Messick, Reckase, Moss, and Zimmerman. *Social Indicators Research*, 45, 73-82.

Rice, R.W., Markus, K., Moyer, R.P. & McFarlin, D.B. (1991). Tests of Locke's range of affect hypothesis. *Journal of Applied Social Psychology*, 24, 1977-1987.

Book Chapters and
Entries:

Markus, K. A., Loveland, J. E., Ha, D. T. & Raghavan, C. (2013). Publication trends in intimate partner violence: Bridging the division in qualitative and quantitative methods. In C. Raghavan & S. J. Cohen (Eds.), *Domestic Violence: Methodologies in Dialog* (pp. 233-253). Boston: Northeastern University Press.

Markus, K. A. (2011). Real Causes and Ideal Manipulations: Pearl's Theory of Causal Inference from the Point of View of Psychological Research Methods. In P. McKay Illari, F. Russo and J. Williamson (Eds.), *Causality in the sciences* (240-269). Oxford, UK: Oxford University Press.

Markus, K. A. & Lin, J.-Y. (2010). Construct validity. In N. Salkind (Ed.), *Encyclopedia of research design* (pp. 229-233). Thousand Oaks, CA: Sage Publications.

Markus, K. A. & Smith, K. M. (2010). Content validity. In N. Salkind (Ed.), *Encyclopedia of research design* (pp. 238-243). Thousand Oaks, CA: Sage Publications.

Markus, K. A., Gu, W. (2010). Bubble plots as a model free graphical tool for continuous variables. In H. D. Vinod (Ed.), *Advances in social science research using R* (p. 65-94). New York: Springer.

Markus, K. A. (2006) Structural Equation Modeling. In S. G. Rogelberg (Ed.), *The Encyclopedia of Industrial and Organizational Psychology*, (pp 773 - 776). Thousand Oaks, CA: Sage Publications.

Markus, K. A. (2004). Varieties of causal modeling: How optimal research design varies by explanatory strategy. In, K. van Montfort, H. Oud, & A. Satorra (Eds.), *Recent developments on structural equation models: Theory and applications* (175-196). Dordrecht: Kluwer Academic Publishers.

Markus, K. A. (2000). Twelve testable assertions about cultural dynamics and the reproduction of organizational culture. In N. M. Ashkanasy, C. Wilderom & M. F. Peterson (Eds.), *Handbook of organizational culture and climate* (pp. 297-308). Thousand Oaks, CA: Sage.

Commentary:

Markus, K. A. (2021). Philosophical methodology and axiomatic measurement theory: A comment on Uher (2021). *Journal of Theoretical and Philosophical Psychology*, 41, 85–90. doi: <https://doi.org/10.1037/teo0000178>

Markus, K. A. (2020). On epistemic violence in psychological science. *Theory and Psychology*, 30, 478-482. doi: <https://doi.org/10.1177/0959354320914968>

Markus, K. A. (2016). Consistent treatment of variables and causation poses a challenge for behavioral research methods: A commentary on Nesselroade and

Molenaar (2016). *Multivariate Behavioral Research*, 51, p413-418. doi :
10.1080/00273171.2015.1081089

Markus, K. A. (2014). Unfinished Business in Clarifying Causal Measurement: Commentary on Bainter and Bollen. *Measurement*, 12, 146-150. doi :
10.1080/15366367.2014.980106

Markus, K. A. (2014). Theory, observation, and validation: Commentary on Almond, Kim, Velasquez, & Shute. *Measurement*, 12, 47-50. doi :
10.1080/15366367.2014.921033

Borsboom, D. & Markus, K. A. (2013). Truth and evidence in validity theory. *Journal of Educational Measurement*, 50, 109-113.

Markus, K. A. (2013). Correspondence without correspondence theory: Comment on Haig and Borsboom. *Theory and Psychology*, 23, 806-811.

Markus, K. A. (2012). Constructs and attributes in test validity: Reflections on Newton's account. *Measurement: Interdisciplinary Research and Perspectives*, 10, 84-87.

Markus, K. A. (2010). Questions about networks, measurement and causation. *Behavioral and Brain Sciences*, 33, 164-165.

Markus, K. A. (2002). Beyond objectivity and subjectivity. *American Psychologist*, 57, 68-69.

Markus, K. A. (2000). Conceptual shell games in the four-step debate. *Structural Equation Modeling*, 7, 163-173.

Markus, K. A. (1998). Psychological processes and mental states. *American Psychologist*, 53, 1077-1078.

Markus, K. A. (1998). Judging rules. *The Journal of Experimental Education*, 66, 261-265. (Peer reviewed)

Book Reviews:

Markus, K. A. (2019). Review of Measurement Theory and Applications for the Social Sciences. *Psychometrika*. 84, 646-648. doi: 10.1007/s11336-018-9637-6

Markus, K. A. (2017) Review of Causal Inference in Statistics: A Primer, by Judea Pearl, Madelyn Glymour, and Nicholas P. Jewell, *Structural Equation Modeling: A Multidisciplinary Journal*, 24, 636-642, DOI: 10.1080/10705511.2017.1299012

Markus, K. A. (2013). Theories of causality: From antiquity to the present & The Oxford handbook of causation [book review]. *Structural Equation Modeling*, 20, 708-714.

Markus, K. A. (2012). Linear causal modeling with structural equations [book review]. *Structural Equation Modeling*, 19, 703-710.

Markus, K. A. (2012). Principles and practice of structural equation modeling, 3rd ed. [book review]. *Structural Equation Modeling*, 19, 509-512.

Markus, K. A. (2012). Review of Bias and causation: Models and judgment for valid comparison. *Journal of Educational and Behavioral Statistics*, 37, 475-476.

Markus, K. A. (2010). Hunting causes and using them: Approaches in philosophy and

economics [book review]. *Structural Equation Modeling*, 17, 535-540.

Gu, W. & Markus, K. A. (2010). Modern Regression Techniques Using R: A Practical Guide for Students and Researchers [book review]. *Applied Psychological Measurement*, 34, 549-551.

Markus, K. A. (2007) Philosophical foundations of quantitative research methodology by Chong Ho Yu [book review]. *Structural Equation Modeling*, 14, 527-533.

Markus, K. A. (2007) Making Things Happen by James Woodward. [book review] *Structural Equation Modeling*, 14, 170-178.

Markus, K. A. (2006). Causation and counterfactuals [book review]. *Structural Equation Modeling*, 13, 142-151.

Markus, K. A. (2005). The Facts of Causation by D.H. Mellor [book review]. *Structural Equation Modeling: A Multidisciplinary Journal*, 12, 506-512.

Obituary

Markus, K. A. (2015). Roger Ellis Millsap (1954-2014). *American Psychologist*, 70, 931. doi: 10.1037/a0039885

Presentations:

Markus, K. A. (2020). Panelist in Validity Evidence Based on Testing Consequences moderated by Debbi Bandalos. 51st Annual Meeting of the Northeastern Educational Research Association. 14 October. Virtual meeting.

Markus, K. A. (2020). Counterfactual conditionals and causal effects. Convention of the American Psychological Association. 6 August. Virtual meeting.

Markus, K. A. (2020). Non-causal determination: implications for causal explanation and causal modeling. International Meeting of the Psychometric Society. 14 July. Virtual meeting.

Markus, K. A. (2019). Psychometrics' inherited ontologies: nomological networks, causal structures, and measurement. International Meeting of the Psychometric Society. 18 July. Santiago, Chile.

Markus, K. A. (2018). Formative measurement theory: Three conceptual impediments to progress. International Meeting of the Psychometric Society. 10 July. New York City, NY.

Markus, K. A. (2017). Lewis, Rubin, Pearl: Compare and contrast. International Meeting of the Psychometric Society. 18 July, Zurich, Switzerland.

Markus, K. A. (2016). Testing causal hypotheses: Precisely formulating causal hypotheses to maximize testability. Consortium for the Advancement of Research Methods and Analysis. 7 April. Lincoln, NE.

Markus, K. A. (2015). Degrees of validity: some new simulation results. International Meeting of the Psychometric Society. 13 July 2015. Beijing, China.

*Markus, K. A. (2014). Problems and pseudo-problems in test validity theory. 5 April. Philadelphia, PA.

Markus, K. A. (2014). Test validity: Looking back, looking forward, and a closer look at some current work. James Madison University. 26 September. Harrisonburg, VA.

Markus, K. A., *Jeglic, E. L., & *Calkins, C. (2014). MnSOST--R differential item functioning: white, black and latiiiono male sex offenders. International Conference on the Rule of Law in and Era of Change: Security, Social Justice and Inclusive

Governance. 12 June. Athens, Greece.

Markus, K. A. (2014). Test development and validation viewed as mixed methods research (Symposium on Mixed Methods: The Collaborative Interface of Quantitative and Qualitative Research Paradigms). 7 August. Washington, DC.

Markus, K. A. & Borsboom, D. (2014). A model of test score interpretation. Convention of the American Psychological Association. 7 August. Washington, DC.

Markus, K. A. (2013). Test validity: Looking back and looking forward. CUNY Graduate Center, 7 November.

Markus, K. A. (2013). Implications of different forms of explanation for the theory and application of logic models. American Evaluation Association. 16 October, Washington, DC.

Markus, K. A. & Satuliri, S. (2013). Sensitivity to base rates of alternative distance metrics in SSA and MDS. 14th International Facet Theory Conference. 21 August, Olinda, PE, Brazil.

Markus, K. A. (2013). Comparing two accounts of degrees of validity: Deductive strength versus belief centrality. National Council on Measurement in Education. 29 April, San Francisco, CA.

Markus, K. A. (2012). All causation is not created equal: Theoretical and methodological considerations for causal research. Invited talk, Columbia University, October 2, 2012.

Markus, K. A. (2011). Test validity: Looking back and looking forward. ETS. 7 October 2011.

Markus, K. A. (2011). R in an hour. Forensic psychology doctoral program, John Jay College of Criminal Justice, CUNY. 23 September 2011.

Markus, K. A. (2011). Pearl's theory of causal reasoning from the perspective of psychological research methods. Convention of the American Psychological Association. 5 August 2011. Washington, DC.

Markus, K. A. (2011). Parallelism, ergodicity, and psychological explanations. International Meeting of the Psychometric Society. 20 July 2011. Hong Kong.

Markus, K. A. (2011). State of the Art Talk: Test validity: Looking back and looking forward. International Meeting of the Psychometric Society. 19 July 2011. Hong Kong.

Markus, K. A. (2011). Score interpretations: The Goldilocks Model. International Meeting of the Psychometric Society. 19 July 2011. Hong Kong.

Markus, K. A. (2010). Measurement, causation and test validity: Theoretical puzzles and practical problems. Lehman College, CUNY. October 4, 2010. Bronx, NY.

Markus, K. A. (2010). Measurement, causation, and test validity: Theoretical puzzles and practical problems. Fordham University. September 22, 2010. Bronx, NY.

Markus, K. A. (2010). Measurement, causation, and test validity: Theoretical puzzles and practical problems. Doctoral program in social personality, CUNY Graduate Center. September 15, 2010. Manhattan, NY.

Markus, K. A. (2010). Behavioral science research ethics: Tensions between individual good and common good. Paper presented to Societies in transition: Balancing security, social justice, and tradition conference, June 4 2010 as part of a symposium entitled "Ethics in criminal justice research: Balancing needs for research with ethical responsibilities" organized by Martin Wallenstein. Marakech, Morocco.

Markus, K. A. (2009). All methods are mixed methods. Paper presented to the convention of the American Psychological Association, August 8, 2009, as part of a session entitled "Role of Mixed Methods in Psychological Research" and organized by Gwyneth M. Boodoo. Toronto, CA.

Markus, K. A. (2009). How can validity come in degrees? Paper presented at the 2009 International Meeting of the Psychometric Society. 21 July 2009, Cambridge, UK.

Markus, K. A. & Gu, W. (2009). Bubble plots as a model-free graphical tool for three continuous variables and a flexible R function to plot them. Conference on quantitative social science research using R. 18 June 2009, Fordham University, New York.

Markus, K. A., Hawes, S. W. & Thasites, R. J. (2008, August 16). Abductive Inferences to Psychological Variables: Weighting Competing Criteria. Poster presented to the Convention of the American Psychological Association, Boston MA.

Markus, K. A. (2008, July 30). Construct validity and causal modeling. Invited paper presented to the Psychology Department, University of Canterbury, Christchurch, NZ.

Hawes, S. W. & Markus, K. A. (August, 2007). Evaluating the Construct Validity of the PCL-R. Poster accepted to the 115th Annual Conference of the American Psychological Association. San Francisco, CA.

Chajewski, M. & Markus, K. A. (August, 2007). Biases in social influence reporting: Social desirability as deception. Poster accepted to the 115th Annual Conference of the American Psychological Association. San Francisco, CA.

Chajewski, M., & Markus, K. A. (June, 2007). The psychometric evaluation of the Sexual Offender Need Assessment Rating-Self Report (SONAR-SR). Paper accepted to the 68th Canadian Psychological Association Annual Convention. Ottawa, CA.

Chajewski, M. & Markus, Keith A. (March, 2007). Detecting effects of social desirability in the Sexual Offender Need Assessment Rating-Self Report (SONAR-SR). Poster presented to the Eastern Psychological Association Conference. Philadelphia, PA.

Markus, K. A. & Perillo, A. D. (2007, March). Judges as Psycho-technocrats: Three Challenges Facing Fondacaro's Ecological Jurisprudence. Paper presented as part of the symposium entitled Comments on Fondacaro's Ecological Jurisprudence to the conference entitled Off The Witness Stand: Using Psychology in the Practice of Justice. New York, NY.

Markus, K. A. (2007, August). Using Longitudinal Data to Distinguish Distinct Causal Explanations. Poster presentation to the Convention of the American Psychological Association. San Francisco, CA.

Markus, K. A. (2007, July). A Thrice Parameterized Tale: Interpreting Quadratic Models. Paper presented to the 2007 International Meeting of the Psychometric Society. Tokyo, Japan.

Markus, K. A. (2006, November 2). Cautions on casual causal analysis: The perspective of causal pluralism. (Inaugural lecture in the Fordham Council on Applied Psychometrics Brown Bag Lunch Lecture Series, New York, NY).

Markus, K. A. (2006, July 9). Causation, Generalization and Deductive Strength: A Discussion of Stephen G. West's "Rubin's and Campbell's perspectives on causality." Invited symposium on Causality in Experiments and Quasi-Experiments. Jena, Germany.

Chajewski, M., & Markus, K. (November, 2006). A self-report version of the Sexual Offender Need Assessment Rating (SONAR). Paper presented to the 2006 American Society of Criminology Conference. Los Angeles, CA.

Daftary, T., Kirschner, S., Markus, K. A., Broadwater, A. (2006, November). Mock Juror Verdict Selections: Effect of Media and the Guilty but Mentally Ill Verdict Option. (Paper accepted for Presentation at American Society of Criminology Conference, Los Angeles, CA).

Markus, K. A. (2006, August 10). Two Fallacies About Causation: Atomism and Contraposition. Poster presented at the 114 Annual Convention of the American Psychological Association. New Orleans, LA.

Markus, K. A. (2006, August 10). Participant in Statistical Consulting Workshop at the 114 Annual Convention of the American Psychological Association. New Orleans, LA.

Markus, K. A. (2006, July 9). Causation, Generalization and Deductive Strength: A Discussion of Stephen G. West's "Rubin's and Campbell's perspectives on causality." Invited symposium on Causality in Experiments and Quasi-Experiments. Jena, Germany.

Markus, K. A. (2006, June 15). Causation de novo versus causation in sequence: Implications for potential-response theory applied to linear causal models. Paper presented at the 2006 International Meeting of the Psychometric Society. Montreal, CA.

Markus, K. A., Sothmann, F. C., & Raghavan, C. (2006, March 3). Kinds of Intimate Partner Violence: Applying Latent Class Analysis to the Revised Conflict Tactics Scale. Paper presented to the American Psychology and Law Society.

Markus, K. A. (2005, July 13). Distinguishing constructs from concepts: A semantic approach. University of Amsterdam, invited address.

Markus, K. A. (2005, July 8). Concepts, constructs and Psychological Measurement. Paper presented at the 2005 International Meeting of the Psychometric Society.

Markus, K. A. (2005, August 20). Profile plots for clustered data: multiple error bars. Poster presented to the 113 Annual Convention of the American Psychological Association.

Markus, K. A. (2004, July 30). The case for pluralism about causation. Paper presented to the 112 Annual Convention of the American Psychological Association as part of a symposium entitled *Understanding and modeling causation* organized by Bruce Brown.

Markus, K. A. & Davis, M. (2004, May 3). Toward a typology of deception: deception rates for response types. John Jay College of Criminal Justice, CUNY.

New York, NY.

Markus, K. A. (2003, August 7). Varieties of causal modeling: How explanatory strategy affects research design. Poster presented to the 111th Annual Convention of the American Psychological Association, Toronto, CA.

Markus, K. A. (2002, December 9). Varieties of causal modeling: How explanatory strategy affects research design. Paper presented to the Doctoral Program in Psychology, Industrial and Organizational Subprogram, Baruch College, CUNY. New York, NY.

Markus, K. A., Davis, M. & Walters, S. B. (2002, August 23). Toward a psychological typology of deception: latent class cluster analysis. Poster presented to the 110th Annual Convention of the American Psychological Association, Chicago, IL.

Markus, K. A. (2002, June 23). Semantically Equivalent Structural Equation Models: Definition, Examples, and Theoretical Significance. North American Meeting of the Psychometric Society, Chapel Hill, NC.

Markus, K. A. (2002, April, 18). A formal causal interpretation of structural equation models. Expanded paper presented to the Doctoral Program in Educational Psychology, CUNY Graduate Center.

Fenster, A., Markus, K. A., & Palmer, J. (2002, January 4). Predicting diagnostic skills from measures of academic knowledge of psychopathology. Poster presented to the 24th Annual Conference of the National Institute on the Teaching of Psychology, St. Petersburg Beach, FL.

Markus, K. A. (2001, August 27). Activity theories of causality and latent causes. Poster presented to the 109th Annual Convention of the American Psychological Association, San Francisco, CA.

Markus, K. A. (2001, July 16). A formal causal interpretation of structural equation models. Paper presented to the International Meeting of the Psychometric Society, Osaka, Japan.

Markus, K. A. (2001, June 22). Eliminative Induction and The Raykov-Marcoulides Proof of Infinite Equivalence. Paper presented to the North American Meeting of the Psychometric Society.

Markus, K. A. (2000, August 4). Defeasibility and degrees of support in tests of statistical significance. Poster presented to the 108th Annual Convention of the American Psychological Association, Washington DC.

Davis, M., Walters, S. B., Vorus, N., Meiland, P. A., & Markus, K. A. (2000, August 4). Verbal and nonverbal cues to false testimony in criminal investigations. Poster presented to the 108th Annual Convention of the American Psychological Association, Washington DC.

Markus, K. A. (2000, July 6). Making true assertions from false models: Addressing a central paradox in structural equation modeling. Paper presented at the 2000 Annual Meeting of the Psychometric Society. Vancouver, British Columbia.

Brandt, D. E. & Markus, K. A. (2000, March 25). An examination of adolescent attitudes towards the police: A new generation. Paper presented to the Annual Conference of the Eastern Psychological Association, Baltimore, MD.

Markus, K. A. (1999, August 23). Concepts versus constructs in theories of integrity. Paper to be presented to the 107th Annual Convention of the American Psychological Association, Boston, MA.

Markus, K. A. (1999, August 21). Introduction to the NHST problem. Paper to be presented to the 107th Annual Convention of the American Psychological Association, Boston, MA.

Markus, K. A., Fenster, A., Wiedemann, C. F., Brackett, M. A., & Fernandez, J. (1999, August 20). Selecting tomorrow's forensic psychologists: GRE-V, GRE-Q, and undergraduate GPA. Poster to be presented to the 107th Annual Convention of the American Psychological Association, Boston, MA.

Markus, K. A. (1999, June 25). Compare and contrast Pearl and Markus on the semantics of structural equation models. Paper presented at the 1999 Annual North American Meeting of the Psychometric Society, Lawrence, KS.

Markus, K. A. (1998, March 23). The new Standards for Educational and Psychological Testing. Presentation sponsored by Forensic Psychology MA program at John Jay College of Criminal Justice, New York, NY.

Markus, K. A. (1998, August 14). Science, measurement, and validity: Is completion of Messick's synthesis possible? Poster to be presented to the 106th Annual Convention of the American Psychological Association, San Francisco, CA.

Discussant for *Innovations in program and test evaluation*. Paper session during the 106th Annual Convention of the American Psychological Association, San Francisco, CA (August 16, 1998).

Markus, K. A. (1998, June 19). Fit functions as selection functions: Toward a Possible-World Semantics of Structural Equation Modeling. Paper presented at the 1998 Joint Annual Meeting of the Classification Society of North America and the Psychometric Society, Urbana, Illinois.

Markus, K. A. (1997, August 18). The converse inequality argument against tests of statistical significance. Poster presented at 105th Annual Convention of the American Psychological Association, Chicago, IL.

Markus, K. A. (1997, May 31). Discursive processes in organizational membership. Paper presented at The Fifth A. F. Jacobson Symposium in Communications. Omaha, NA.

Markus, K. A. (1996, May 23). Is Measurement Invariance sufficient evidence of invariance in measurement? Pace University, Department of Psychology, New York, NY.

Markus, K. A. (1993, November 11). Comment: Framing self and other in deconstructive versus dialogic reading. New School for Social Research, Taiwan Study Group, New York, NY.

Markus, K. A. (1993, March 24). Subject, culture, text. New School for Social Research, Taiwan Study Group, New York, NY.

Markus, K. A. (1992, October 16). The distinctiveness of the Facet Importance and Wanted Amount job satisfaction constructs. Baruch College, Organization and Policy Studies/Industrial and Organizational Psychology Student Research Conference, New York, NY.

Rice, R.W., Markus, K., Moyer, R.P. & McFarlin, D.B. (1990, April). Tests of Locke's range of affect hypothesis. Poster presented at the annual meeting of the Society for Industrial and Organizational Psychology, Miami, FL.

Markus, K. (1988, May 7). Concepts of causality and their implications for the theory and practice of psychological science. Sixteenth Annual Hunter College Psychology Convention, New York, NY.

Markus, K., Rice, R.W., & McFarlin, D.B. (1988, April 22). Causal relations among the determinants of Facet Satisfaction. Poster presented at the annual meeting of the Eastern Psychological Association, Buffalo, NY.

Workshops

Introduction to R & Advanced Statistical Models in R. Fordham Council on Applied Psychometrics Conference. Bronx, NY. June 25, 2008.

Research Interests:

Interpreting Causal Quantitative Models: Applying formal semantic theory to clarify issues of meaning and interpretation of statistical and causal models in the social and behavioral sciences.

Test Validity: Clarifying the inferences involved in summary judgments regarding the use and interpretation of test scores.

Program/Policy Evaluation: Methodological issues in evaluation research.

Discursive Psychology: Explaining psychological processes such as socialization and sense-making as organized by shared communicative processes. Contributing to the articulation and explanation of psychological processes not reducible to individual-level processes.

Inferential Statistics: Clarifying the inferences involved in the use of tests of statistical significance.

Applied Psychological Measurement: Developing measures. Current projects include measures of partner abuse, risk for sex crimes, and credibility assessment.