Society for Research in Child Development Special Topic Meeting: Developmental Methodology

September 11 - 13, 2014
San Diego, California

Program Chairs:
Noel A. Card
Todd D. Little
Elizabeth Plowmen

PROGRAM OVERVIEW

THURSDAY, SEPTEMBER 11, 2014

1-001. Morning Coffee
7:45 AM - 8:15 AM; Foyer

1-003. Invited Symposium
Expanding Dynamic Methods for Developmental Investigations
Chair(s): John McArdle (University of Southern California)
8:20 AM - 10:00 AM; Sorrento/San Marino/Capri

- Latent Change Score Approaches to Investigating Time Dependent Observations
  Kevin Grimm
- The use of relaxed and Bayesian assumptions about error terms in any dynamic model of change
  Zhiyong J. Zhang
- The use of Continuous Time models in Measuring Change in Romantic relationships.
  Joel Steele
- Notes on the Bayesian Orenstein-Ulenbeck transformation of a dynamic processes
  Zita Oravecz

1-004. Invited Workshop
Introducing N-Level Structural Equation Modeling (NL-SEM) using xxM
Chair(s): Elizabeth Plowman (University of Minnesota)
Speaker(s): Paras Mehta (Fraunhofer Institute for Ceramic Technologies and Systems, Branch Materials Diagnostics IKTS-MD)
8:20 AM - 11:50 AM; St. Tropez Room

1-005. Paper Session
Modeling Techniques and Approaches to Research in Child Development
Chair(s): Mwarumba Mwavita
8:20 AM - 10:00 AM; Riviera Room

- Can we Draw the Same Conclusions Using Time- And Age-based Models From Cross-sequential Data? An Alcohol use Example
  Kara D. Thompson; Jacqueline Homel; Bonnie Leadbeater
- Merging Multilevel and Structural Equation Models to Estimate Random Change Points in Multi-Phasic Growth Models
  Ryne Estabrook
- Design Considerations for Optimizing Power to Detect Individual Differences in Change
  Philippe Rast; Scott M. Hofer
- Latent Growth Curve Modeling of Constructs Measured with Multiple Items: Latent Variables versus Composite Scores
  Sharon L. Christ; Ting J. Lu
- How many classes? An evaluation of model selection strategies and practical recommendations
  Richard Gonzalez; Wonjung Oh; Brenda Volling

1-005.5. Invited Talk
Reducing Bias Due to Systematic Attrition in Longitudinal Studies: The Benefits of Multiple Imputation
Chair(s): Todd Little (Texas Tech University)
Speaker(s): Jens Asendorpf (Humboldt University)
8:20 AM - 10:00 AM; Monte Carlo Room

1-006. Invited Workshop
Planned Missing Data Designs for Developmental Research
Chair(s): Todd Little (Texas Tech University)
10:10 AM - 11:50 AM; Riviera Room

1-007. Paper Symposium
Advanced Modeling of Nonlinear Developmental Trajectories
Chair(s): Kevin Grimm (Arizona State University) and Pascal Deboeck (University of Kansas)
Discussant(s): John McArdle (University of Southern California)
10:10 AM - 11:50 AM; Monte Carlo Room

- Advanced Modeling of Nonlinear Developmental Trajectories
  Kevin Grimm; Pascal Deboeck; John McArdle
- Exploring Underlying Processes in Panel Data using Continuous Time Models
  Pascal Deboeck; Aaron Boulton
- Higher Order Taylor Polynomial Methods to Estimate Nonlinear Mixed Effects Models for Longitudinal Panel Data
  Jonathan Helm; Kevin Grimm
- Functional data analysis for the analysis of developmental trajectories and related factors
  Hye Won Suk
- Accounting for random change: Experiences with fitting linear stochastic differential equations
  Joel Steele; Emilio Ferrer

1-008. Keynote Speaker with Lunch
Developing Models: Interdisciplinary Perspectives on Modeling and Developmental Methodology
Chair(s): Todd Little (Texas Tech University)
Speaker(s): D. Betsy McCoach (University of Connecticut)
12:00 PM - 1:30 PM; Sorrento/San Marino/Capri

1-009. Invited Workshop
Growth Modeling Workshop: Articulating Developmental Change with Simple and Complex Growth Models
Speaker(s): Kevin Grimm (Arizona State University) and Nilam Ram (Penn State)
1:40 PM - 3:20 PM; St. Tropez Room

- Growth Modeling Workshop: Articulating Developmental Change with Simple and Complex Growth Models
  Kevin Grimm
- Growth Modeling Workshop: Articulating Developmental Change with Simple and Complex Growth Models
  Nilam Ram

1-010. Invited Symposium
Little Brains: Using Magnetic Resonance Imaging to Study Early Functional Brain Development
Chair(s): Charlotte Herzmann (University of Western Ontario)
1:40 PM - 3:20 PM; Monte Carlo Room

- fcMRI investigations in infants: Small brains, big challenges
  Christopher Smyser
- Using functional MRI to assess auditory brain development from birth
  Charlotte Herzmann; Conor Wild; Annika Linke; Leire Zubiaurre-Elorza ; Hester Duffy; Rhodri Cusack
- MRI methods to investigate early development of social and communicative systems
  Elizabeth Redcay
- Using fMRI to study child and adolescent development: Thoughts from the trenches
  John Flournoy; William Moore; Jennifer Pfeifer

1-011. Paper Session
Innovations in Data Collection and Analysis
Chair(s): Eugene Wang (Texas Tech University)
1:40 PM - 3:20 PM; Riviera Room

- Comparing Voice Recordings of Mothers' Management Language in the Home with Survey Measures of Parenting
  Samantha W. Bindman; Alison L. Miller; Pamela E. Davis-Kean; Frederick J. Morrison
- The impact of home visiting on maternal wellbeing using standardized, global and episodic measures: Evidence from a randomized controlled trial
  Christine O'Farrelly; Michael Daly; Liam Delaney; Orla Doyle; Nick Fitzpatrick; Judy Lovett
- Measurement Invariance in Child Problem Behaviors Across Age and Culture
  Patrick Malone; Darren Woodlief; Jennifer Lansford
- Testing the equivalence of paper and computer survey formats of a child self-report mental health measure using DIF analysis
  Praveetha Patalay; Jessica Deighton; Peter Fonagy; Miranda Wolpert
- Same question, different methods, consistent answers? Examining the impact of externalizing symptom development on attainment
  Praveetha Patalay; Peter Fonagy; Jessica Deighton; Miranda Wolpert

1-012. Invited Talk
Characterizing Intraindividual Variability using Continuous Time Models: Moving Beyond Correlation and Towards Meaningful Parameters
Chair(s): Elizabeth Plowman (University of Minnesota)
Speaker(s): Pascal Deboeck (University of Kansas)
3:30 PM - 5:10 PM; Monte Carlo Room

1-012.5 Invited Workshop
Narrative Inquiry in Human Development Research
Chair(s): Colette Daiute
3:30 PM - 5:10 PM; St. Tropez Room

1-013. Paper Symposium
Profiles, transitions and cascades: Exploring methodological contributions to developmental – contextual theories
Chair(s): Andres Molano (Universidad de los Andes) and Stephanie Jones
3:30 PM - 5:10 PM; Riviera Room

- Profiles, transitions and cascades: Exploring methodological contributions to developmental – contextual theories
  Andres Molano; Stephanie M. Jones
- Evaluating the Long-Term Impacts of the Chicago School Readiness Project: Understanding Intra- and Inter-Individual Change
  Dana C. McCoy; Stephanie M. Jones; C. Cybele Raver; Lauren Y. Hay; Jessica R. Burdick; Amanda L. Roy
- Cross-domain latent growth and profile analysis in the New York City Study of Social and Literacy Development: Assessing findings from variable and actor-oriented approaches.
  Andres Molano; Stephanie M. Jones
- Bidirectional relationships between social competence and academic achievement: Do classrooms matter?
  Ana M. Velasquez; Lina M. Saldarriaga; William M. Bukowski

1-013.5. Paper Symposium
Evaluating and Enhancing Causal Evidence from Longitudinal Data
Chair(s): Robert Larzelere (Oklahoma State University)
Discussant(s): Greg Duncan
3:30 PM - 5:10 PM; Sorrento/San Marino/Capri

- Evaluating and Enhancing Causal Evidence from Longitudinal Data
  Robert E. Larzelere; Greg Duncan
- Two Sensitivity Tests for Longitudinal Causal Evidence: One New, One Ancient
  Robert E. Larzelere; Taren Swindle; Isaac J. Washburn; Ronald B. Cox
- Propensity Score Calipers and the Overlap Condition
  Ben Hansen
- Using Intensive Longitudinal Data to Study Heterogeneity in Causal Effects
  Niall Bolger

1-014. Poster Session with Reception
5:20 PM - 6:20 PM; Mediterranean Ballroom

Board # 1. Secure base behavior from infancy to childhood: Can it be measured with a single instrument?
Magaly Noblega; Patricia Bárrig; Juan Nuñez del Prado; Gabriela Conde; Adriana Alayza; Diana Dávila; Tamara Durant

Board # 3. Hur, J. H. & Christ, S. L. Evaluation of a Measure of Caregiver Emotional Abuse of Adolescents.
JinHee Hur; Sharon L. Christ

Board # 4. Development of a New Measure of Caregiver Psychological Neglect of Adolescents
Yoon Young Kwak; Sharon L. Christ

Board # 5. Advanced Theory-of-Mind Abilities: Scaling and Structure
Christopher Osterhaus; Susanne Koerber; Beate Sodian

Board # 6. Defining criterion zone boundaries to demarcate successive levels of development in early childhood on Rasch scales of measurement
Stephen Moore; Mark Wilson; Kerry Kriener-Althen; Peter Mangione

Board # 7. Emotion Regulation and Psychosocial Adjustment of Chinese School-age Children: A Person-centered and Multi-informant Approach
Peipei Li; Mengyu M. Gao; Zhuo Han

Board # 8. Identifying the Correct Number of Profiles in Latent Profile Analysis: A Simulation Study
Sara K. Johnson

Board # 9. Sociable and Non-sociable Profiles of Chinese-American Children and Associated Temperamental and Parenting Characteristics
Jing Yu; Charissa S. Cheah; Shuyan Sun; Craig H. Hart

Board # 10. A demonstration of different methods of including distal outcomes in mixture models of classification
Ryan Grimm; Karen Nylund-Gibson

Board # 11. Using longitudinal methods to establish cut-off scores for a measure of callous-unemotional traits
Eva R. Kimonis; Kostas A. Fanti; Jay P. Singh; Jay P. Singh

Board # 12. The Problem of Missing Risk Factor Data in Group-Based Trajectory Models
James V. Ray; Thomas Loughran; Chris Sullivan; Shayne Jones

Board # 13. Pride Regulation of Chinese Children during Middle Childhood: A Person-centered Analysis
Mengyu M. Gao; Peipei Li; Zhuo Han

Board # 14. Infants at risk for developing aggressive behaviour: using mixture modelling methods to investigate transitions in contentiousness and their determinants.
Oliver Perra; Dale F. Hay

Board # 15. Growth Trajectories in Fraction Knowledge from Third through Sixth Grade
Nicole Hansen; Nancy. C. Jordan

Board # 16. Second-Order Growth Mixture Models for Multivariate and Developmental Studies
Tae Kyoung Lee; Kandauda As Wickrama; Catherine Walker O'Neal

Board # 17. Using Self-Organizing Maps for Studying Self-Activation in Children With or Without Attention-Deficit/Hyperactivity Disorder
Bruno Gauthier; Véronique Parent

Board # 18. A Simulation Study of Sample Size Calculations in Latent Class Analysis
Kee Jeong Kim

Board # 19. The Dynamics of Infants' Interest in Female and Male Faces: A Recurrence Quantification Analysis
Andrea J. Kayl; Jennifer L. Rennels
Board # 20. The Effect of Age on Development: A Methodological Review of Meta-Analyses
Shuyan Sun; Jing Yu

Board # 21. Prevalence and geographical variation of anxious behaviour problems in children at school entry using teacher-reported population-level data over time
Eric Duku; Magdalena Janus; Rob Raos; Robert Coplan

Board # 22. Measurement Invariance Re-Visited: Relations with Sample Size, Number of Groups, Model Size, and Fit Criteria
Diane L. Putnick; Marc H. Bornstein

Board # 23. Measurement Invariance of Early Development Instrument across age groups
Amin Mousavi; Vijaya Krishnan

Board # 24. Unpacking Student and Teacher Perceptions of the Classroom Environment: Multilevel Patterns of Academic and Social Support in Early Adolescence
Christina Crowe; Catalina Torrente; Marc Brackett; Susan Rivers

Board # 25. Evaluation and Measurement of Parent Race Socialization Practices Using IRT
Chelsea G. Nehler; Adam J. Hoffman; Katherine A. Perkins

Board # 26. The Meaning of Children's and Adolescents' Reports of Peers' Disrespect
Yael Kidron

Board # 27. Quantitative models of qualitative changes: Are we comparing apples with oranges?
Kerry Lee

Board # 28. Parent, Child, and Teacher Perceptions of School Climate and their Differential Associations with Peer Victimization and Mental Health
Paweena Sukhawathanakul; Bonnie Leadbeater; Kara Thompson; Brett Holfeld

Board # 29. Longitudinal moderation analysis with missing and non-normal data: Comparing methods using data from a study of at-risk parenting
Amy K. Nuttall; Qian Zhang; Kristin Valentino; John G. Borkowski

Board # 30. Modeling Development with Different Time Metrics: An Illustration Using the Early Childhood Longitudinal Study (ECLS-K)
Gloria Yeomans-Maldonado; Jessica Logan

Board # 31. The Moderating Effect of Cognitive Interference on Stress Reactivity: An Application of the Johnson-Neyman Technique to Probe Within-Person Interactions
Jonathan Rush; Philippe Rast; Scott M. Hofer

Board # 32. Evaluation of teacher-rated ecological momentary assessment ratings of emotion in children with ADHD
Perry I. Factor; Danielle Walerius; Paul J. Rosen

Board # 33. Daily Diary Reports of Social Connection, Objective Sleep, and Diurnal Cortisol Activity During Adolescents' First Year of College
Michael R. Sladek; Leah D. Doane

Board # 34. Evaluating supplemental samples in longitudinal research: Replacement and refreshment approaches
Laura K. Taylor; Xin Tong; Scott E. Maxwell

Board # 35. Integrating Developmental Theory and Methodology: Using Derivatives to Articulate Change Theories, Models, and Inferences
Chrystyna D. Kouros; Pascal Deboeck; Jody S. Nicholson; Judy Garber; Todd D. Little

Board # 36. The Impact of Social Support in the Relationship between Child Maltreatment and Physical Health in Adulthood: A Prospective Investigation
Jacqueline M. Horan; Cathy S. Widom

Board # 38. Intergeneration Continuity in Dyadic Synchronicity
Thomas Schofield

Board # 39. Assessment of the Mediators of Intergenerational Continuity of Teen Parenting in a Causal Inference Framework
Kimberly Henry

Board # 40. Unimodal Curve Registration as a Solution for Third Generation Data in Intergenerational Studies
Thomas Loughran; Terence P. Thornberry; Kimberly Henry

Board # 41. A Longitudinal Examination of the Intergenerational Transmission of Patterns of Alcohol, Tobacco, and Other Drug Use
Stacey Tiberio ; Deborah Capaldi

Board # 42. Psychometric Properties of the Strengths and Difficulties Questionnaire in Asian-American Preschoolers
Jing Yu; Shuyan Sun; Charissa S. Cheah

Board # 43. The Language Exposure Questionnaire: Quantifying exposure for research on young infants and children
Stephanie DeAnda; Diane Poulin-Dubois; Pascal Zesiger; Margaret Friend

Board # 44. Validation of the Wii Balance Board as a Device to Assess Postural Sway in Sitting Infants
Rachel C. Harris; Joshua J. Liddy; Laura J. Claxton

Board # 45. Developing the Teacher Executive Functioning and Scaffolding (TEMS) Classroom Observation Protocol
Sarah Bardack; Jelena Obradovic

Board # 46. An Innovative Observational Measure for Capturing Classroom Interpersonal Microaggressions
Dalal Katsiaficas; Carola Suarez-Orozco

Board # 47. An Ecologically Valid Approach to Studying Young Children's Empathic Responses to Others' Emotion States
Diana P. Montague; Jessica Ulmer

Board # 48. Understanding What's In a Look
Jennifer L. Rennels; Andrew J. Cummings; Andrea J. Kayl

Board # 49. Racial and Gender Differences in Developmental Trajectories of Substance Use from Early Adolescence to Young Adulthood
Jinni Su; Andrew Supple

Board # 50. Tools for Comparing Bivariate Longitudinal Modelsof Inter-individual and Intra-individual Change
Sierra A. Bainter

Board # 51. Measuring Gain in Nested Designs: A Demonstration Using Data from Children with Language Impairment
Ann O'Connell; Mary Beth Schmitt; Jessica Logan; Laura Justice

Board # 52. Teen Concealment: Predicting Latent Change from Generational Differences in Parents' Right to Know
Wendy M. Rote; Judith G. Smetana

Board # 53. Subgroups of Vocabulary Development in ELLs and EL1 Children: Measuring Interindividual Variability in Intraindividual Change
Fataneh Farnia; Esther Geva

Board # 54. Exploring a Dual Facet Model for Onset to Growth Data
Amanda J. Fairchild; Katherine Masyn; Amanda Gottschall

Board # 55. Children and Political Violence: Assessing Intra-Individual Change in a Changing Context
Christine Merrilees; Laura K. Taylor; Marcie Goeke-Morey; E. Mark Cummings

Board # 56. Peer Relationship Dynamics Affecting Early Academic Competency: A Social Network Analysis of At-Risk Preschool Children
Dawn DeLay; Linlin Zhang; Laura Hanish; Carol Maritn; Richard Fabes

Board # 57. Using a Longitudinal Actor-Partner Interdependence Model to Disentangle Peer Pressure from Susceptibility to Peer Pressure
Brett Laursen; Amy C. Hartl; Dawn DeLay

Board # 58. How family environment affects Chinese junior students' learning motivation? The evidence from mediating effects of academic self-confidence
Dan Zhou; Yufang Bian

Board # 59. An Empirical Comparison of Different Modeling Approaches for Longitudinal Dyadic Data
Elizabeth M. Planalp; Lijuan Wang; Julia M. Braungart-Rieker

Board # 60. Full Longitudinal Mediation Effects between Twins' Substance Use and Delinquency
Amy C. Hartl; Brett Laursen; Frank Vitaro; Mara Brendgen; Michel Boivin; Ginette Dionne

Board # 60.5. A Survival Analysis of Adolescent Friendships: The Downside of Dissimilarity
Amy C. Hartl; Brett Laursen; Antonius H. Cillessen

Board # 61. The structure and impact of reading instruction upon student growth in reading
Lee Branum-Martin; Paras Mehta; Pat Taylor; Coleen Carlson; Vincent Hunter; David J. Francis

Board # 62. Are Western Empirical Methods Valid Tools of Measurement in Traditional, Non-Western Cultures?
Hilary Aime; Tanya Broesch

Board # 63. What are Best Practices in Design and Analysis for a Longitudinal Study with Planned Missing Data?
Laura Wray-Lake; Wendy M. Rote; Aaron Metzger; Amy K. Syvertsen

Board # 64. How do we account for differences in test and score type when measuring cognitive ability longitudinally in children with developmental disabilities?
Cristan Farmer; Audrey Thurm

Board # 65. How can we use three-level nested designs to model the impact of school climate on student outcomes?
Jacqueline Scherr; Christina Crowe; Catalina Torrente

FRIDAY, SEPTEMBER 12, 2014

2-002. Morning Coffee
7:45 AM - 8:15 AM; Foyer

2-002. Invited Workshop
Integrative Data Analysis of Longitudinal Studies: Recommended Approaches for Coordinated Analysis and Reproducible Multiple-Study Research
Chair(s): Scott Hofer (University of Victoria)
8:20 AM - 11:50 AM; St. Tropez Room

- Integrative Data Analysis of Longitudinal Studies: Recommended Approaches for Coordinated Analysis and Reproducible Multiple-Study Research
  Scott M. Hofer; Graciela Muniz-Terrera; Andrea Piccinin; Philippe Rast

2-003. Invited Workshop
Advances in Survival Analysis and Event History Models with Latent Variables
Chair(s): Katherine Masyn (Harvard University)
8:20 AM - 11:50 AM; Sorrento/San Marino/Capri

2-004. Paper Symposium
Analysis of Reciprocal Ratings Data using the Social Relations Model: Applications of N-Level Structural Equation Modeling and xxM
Chair(s): Paras Mehta (Fraunhofer Institute for Ceramic Technologies and Systems, Branch Materials Diagnostics IKTS-MD)
8:20 AM - 10:00 AM; Monte Carlo Room

- Analysis of Reciprocal Ratings Data using the Social Relations Model: Applications of N-Level Structural Equation Modeling and xxM
  Paras Mehta
- Introducing N-Level Structural Equation Model of Reciprocal Ratings Data: The Case of Social Relations Model of Agreeableness
  Paras Mehta
- Selfless 'Self-Determination Theory': A five level Latent Variable Social Relations Model of Need Supportiveness
  Camilla S. Øverup ; Benjamin W. Hadden; Julie A. Brunson; Robert E. Wickham; Ben Porter; Paras Mehta
- Perceptions and Metaperceptions: Application of a Reciprocal Social Relations Model
  Ben Porter; Camilla S. Øverup ; Julie A. Brunson; Robert E. Wickham; Paras Mehta

2-005. Paper Session
Advanced Approaches for Longitudinal Measurement and Analysis
Chair(s): Jessica Logan (Ohio State University)
8:20 AM - 10:00 AM; Riviera Room

- Age-related Changes in the Expression of Affect During Infancy and Early Childhood
  Brian E. Vaughn; Nana Shin; Ligia Monteiro; Warren Truitt
- Examining Patterns of Change in Inhibitory Control in Low-Income, Minority Preschool Children
  Daniel Pacheco
- Modeling Sociometric Nominations Over the Middle School Transition: A Piecewise Multilevel Poisson Approach
  Richard A. Faldowski; Heidi Gazelle; Madelynnn D. Shell
- How to Measure the Life of a Child: Optimal Sampling Strategies for Developmental Profiling
  Gordon Ramsay

2-006. Invited Workshop
Answering your Developmental Questions using Secondary Data
Chair(s): Pamela Davis-Kean
Speaker(s): Justin Jager (Arizona State University) and Julie Maslowsky
10:10 AM - 11:50 AM; Monte Carlo Room

2-007. Paper Symposium
Methodological Issues in the Coding and Analysis of Sequential Data from Behavioral Observations
Chair(s): James Selig (University of New Mexico) and Kimberly Jayne
10:10 AM - 11:50 AM; Riviera Room

- Methodological Issues in the Coding and Analysis of Sequential Data from Behavioral Observations
  James P. Selig; Kimberly M. Jayne
- Developing Coding Schemes for Observational Measurement of Behavior and Sequential Analysis
  Kimberly M. Jayne; James P. Selig; Dee C. Ray
- Defining Time Windows in Timed Event Sequential Analysis
  Diane L. Putnick; Marc H. Bornstein
- Using Multiple Lags in Intensive Time-Ordered Data to Inform Causal Lags, Reduce Selection Bias, and Clarify Relevant Processes
  Robert E. Larzelere; Sada J. Knowles; Daniel S. Hubler; Brandon K. Burr; Brandt Gardner

2-008. Jr. & Sr. Researchers Networking Lunch (Ticketed Event)
12:00 PM - 1:00 PM; Garden By the Bay

2-009. Invited Symposium
Multitrait-Multimethod Measurement in Developmental Research: Model Specification and Estimation in Longitudinal Context
Chair(s): Keith Widaman (UC Davis)
1:10 PM - 2:50 PM; Sorrento/San Marino/Capri

- Longitudinal Multitrait-Multimethod Models for Developmental Research
  Kevin Grimm; Robert Pianta; Timothy Konold
- The Uncrossed Correlated Trait-Correlated Method Model: A Novel Approach with Implications for Longitudinal MTMM Investigations
  Laura Castro-Schilo; Kevin Grimm; Keith Widaman
- Bayesian versus Frequentist Estimation of Longitudinal Multitrait-Multimethod Confirmatory Factor Models
  Jonathan Helm; Laura Castro-Schilo
- Multitrait-Multimethod Models in Family Context: Stability and External Validity of Trait and Method Factors
  Keith Widaman; M. Brent Donnellan; Rand Conger

2-010. Invited Workshop
What to expect when you're evaluating: The when, why, and how of program evaluation
Chair(s): Bianca Montrosse-Moorhead (University of Connecticut)
1:10 PM - 4:40 PM; St. Tropez Room

2-011. Paper Symposium
Cultural Variation in Early Childhood: Differential Item Functioning in Classroom Quality, Child Behavior, and Enriching Activity
Chair(s): Rachel Gordon (University of Illinois at Chicago)
1:10 PM - 2:50 PM; Monte Carlo Room

- Cultural Variation in Early Childhood: Differential Item Functioning in Classroom Quality, Child Behavior, and Enriching Activity
  Rachel Gordon
- Differential Item Functioning: A Primer for Developmental Scholars
  Ken Fujimoto; Rachel Gordon
- How Teachers Gauge Children's Social Development: Differential Item Functioning among Ethnic Groups
  Rachel Gordon; Claudia Galindo; Ken Fujimoto; Rowena Crabbe; Bruce Fuller
- Using Item Response Theory and Differential Item Functioning to Further Examine Concerted Cultivation
  Rowena Crabbe; Rachel Gordon; Ken Fujimoto; Maria Krysan
- Psychometric Evaluation of Child Care Quality Measures for Children from Diverse Families
  Margaret Burchinal; John Sideris

2-012. Paper Session
Innovative Approaches to Measuring and Modeling Social Interactions
Chair(s): James Selig (University of New Mexico)
1:10 PM - 2:50 PM; Riviera Room

- A novel, ecologically valid approach to measure eye-to-eye gaze in young children during naturalistic social interactions
  Sarah R. Edmunds; YIn Li; Agata Rozga; Lisa Ibanez; Elizabeth Karp; James M. Rehg; Wendy L. Stone
- Using Sequential Analysis to Operationalize Parent-Child Conflict as an Affective Construct
  Anat Moed; Elizabeth T. Gershoff; Nancy Eisenberg
- Measuring Brain Activity In Real Social Situations: EEG Imaging and Motion Capture of Interacting Parent-Toddler Dyads
  Gedeon Deák; Yu Liao; Scott Makeig
- Daily Emotion-Stress Physiological Transactions Using a Modified Momentary Ecological Assessment Approach
  Scott Van Lenten; Leah D. Doane

2-013. Invited Talk
Matters of time (lags): Why we choose the lags we do, the difference it makes, and how we can make more informed choices.
Chair(s): Elizabeth Plowman (University of Minnesota)
Speaker(s): James Selig (University of New Mexico)
3:00 PM - 4:40 PM; Sorrento/San Marino/Capri

2-014. Paper Symposium
Foundations and Applications of Testing Measurement Equivalence with Ordinal Data in a Confirmatory Factor Analysis Framework
Chair(s): Kristina Webber (University of South Carolina)
3:00 PM - 4:40 PM; Riviera Room

- Foundations and Applications of Testing Measurement Equivalence with Ordinal Data in a Confirmatory Factor Analysis Framework
  Kristina C. Webber
- Foundations of Testing Measurement Equivalence
  Rainier D. Masa; Natasha K. Bowen
- Social Support and School Belonging among African American and White Children: An Application of Invariance Testing
  Kate M. Wegmann
- Assessing Optimism of Early Adolescents: A Test of Measurement Equivalence across Four Racial/Ethnic Groups
  Kristina C. Webber

2-015. Paper Symposium
Recent developments in modeling intensive longitudinal data: Idiographic and group approaches
Chair(s): Kathleen Gates (University of North Carolina at Chapel Hill)
Discussant(s): Pascal Deboeck (University of Kansas)
3:00 PM - 4:40 PM; Monte Carlo Room

- Recent developments in modeling intensive longitudinal data: Idiographic and group approaches
  Kathleen Gates; Pascal Deboeck
- Statistical Testing of Granger Causality in Multivariate Time Series Analysis
  Siwei Liu; Peter Molenaar
- Autoregressive Latent Change Model: A New Tool for Idiographic Analysis
  Laura Castro-Schilo; Kathleen Gates; Kevin Grimm; Jonathan Helm
- Subgrouping individuals during model selection based on their temporal processes
  Kathleen Gates; Teague Henry; Stephanie Lane
- Penalized Functional Regression for Predicting Distal Point Outcomes from Longitudinal Covariates
  Mariya Shiyko; John Dziak

SATURDAY, SEPTEMBER 13, 2014

3-001. Morning Coffee
7:45 AM - 8:15 AM; Foyer

3-002. Invited Workshop
Simple Survival Analysis: A Primer
Chair(s): Margaret Keiley (Auburn University)
8:20 AM - 10:00 AM; St. Tropez Room

3-003. Paper Symposium
Best Practices in Program Evaluation
Chair(s): Eugene Wang (Texas Tech University)
Discussant(s): Todd Little (Texas Tech University) and Mwarumba Mwavita
8:20 AM - 10:00 AM; Riviera Room

- Best Practices in Program Evaluation
  Eugene Wang; Todd D. Little; Mwarumba Mwavita
- Models of Program Evaluation and Improving Program Performance
  Eugene Wang; Todd D. Little
- Evaluator Competencies
  Mwarumba Mwavita; Eugene Wang
- Program Evaluation Design and Analysis Methods
  Eugene Wang; Mwarumba Mwavita

3-004. Paper Session
Innovative Approaches in Scale Construction Methodology
Chair(s): Steven Aragon (Texas State University)
8:20 AM - 10:00 AM; Monte Carlo Room

- Algorithm Designed to Assist in Scale Construction: Item Reduction
  Jacob D. Curtis; Claudia Gonzalez; Sam Hardy
- Measurement Invariance for Behavioral Observational Measures: The Use of Regression Discontinuity Design and Pattern Matching
  Lucia Ciciolla; Stephen G. West; Brian Keller; Keith A. Crnic
- Positive Family Relationships Scale: A longitudinal approach to construction and validation utilizing the nominal response model
  Kathleen Preston; Skye Parral; Allen W. Gottfried; Pamella Oliver; Adele Gottfried; Sirena Ibrahim; Danielle Delany
- Item Response Theory (IRT) used to enhance accuracy of data analyses in longitudinal studies of child development: a simulation study
  Alexandra Rouquette; Sylvana M. Côté; Jean-Benoit Hardouin; Bruno Falissard

3-004.5. Workshop
Introduction to Quantile Regression for Developmental Researchers
Chair: Jessica Logan (Ohio State University)
8:20 am - 10:00 am, Marbella Room

3-005. Keynote Speaker
Heresy 101: Worthy Statistical Concerns for Developmental Studies
Chair(s): Todd Little (Texas Tech University)
Speaker(s): Greg Duncan
10:10 AM - 11:50 AM; Sorrento/San Marino/Capri