Multilevel SEM with Complex Applications

9:00 - 10:30: session 1
10:50 - 12:00: session 2
~LUNCH (on your own)
1:30 - 3:25: session 3
3:40 - 5:00: session 4

9:00 - 10:30: Session 1

Overview of Workshop
A little matrix algebra
Overview of SEM
Orientation to Mplus environment
SEM examples in Mplus
Overview of MLM

10:50 - 12:00: Session 2

MLM examples in Mplus
Overview of MSEM
General model of Muthén & Asparouhov
        Implementation in Mplus
        MSEM path diagram notation

~LUNCH (on your own)

1:30 - 3:25: Session 3

Specific models w/ equations, syntax, + diagrams
        Univariate MLM
        Multivariate MLM
        Multilevel path analysis
        Multilevel CFA
        Interlude: Model fit in MSEM
        Multilevel EFA

3:40 - 5:00: Session 4

Specific models w/ equations, syntax, + diagrams (cont'd)
        Multilevel SEM with latent variables
        Multilevel mediation analysis
Advanced topics: Including, but not limited to:
        Handling convergence problems
        Power analysis using Monte Carlo approach
        Testing variances, ICCs, correlations, and indirect effects
Other MSEM resources and Q/A