What's New in Version 8.1

New features in SigmaXL Version 8.1 include:

- **Taguchi DOE Templates**
  - Taguchi L4 (2 Level)
    - Two-Factor (with Two-Way Interaction)
    - Three-Factor
  - Taguchi L8 (2 Level)
    - Three-Factor (with Two-Way Interactions)
    - Four to Six-Factor (with Aliased Two-Way Interactions)
    - Seven-Factor
  - Taguchi L9 (3 Level)
    - Two-Factor (with Two-Way Interaction)
    - Four-Factor
  - Taguchi L12 (2 Level): Eleven Factor
  - Taguchi L16 (2 Level)
    - Five-Factor (with Two-Way Interactions)
    - Eight to Fourteen-Factor (with Aliased Two-Way Interactions)
    - Fifteen-Factor
  - Taguchi L18 (2/3 Level)
    - Three-Factor (with Two-Way Interactions)
    - Eight-Factor (with A*B Interaction)
  - Taguchi L27 (3 Level)
    - Three-Factor (with Two-Way Interactions)
    - Thirteen-Factor
  - Levels are discrete categorical so may be numeric or text
  - Fill in the blanks template, charts automatically update
  - Predicted Response Calculator and Charts for Mean, Standard Deviation (or Ln Standard Deviation) and Signal-to-Noise Ratio
  - Available Signal-to-Noise Ratios:
    - Nominal is Best
    - Nominal is Best (Variance Only)
    - Nominal is Best (Mean Square Deviation with Target)
    - Larger is Better
    - Smaller is Better
  - Up to 27 Replications for Outer Array (i.e., support up to L27 Outer Array)
  - Pareto of Deltas (Effects) and ANOVA SS (Sum-of-Squares) % Contribution (for Main Effects and Two-Way Interactions)
  - Main Effects Plot and Interaction Plots (if applicable)
  - For designs with aliased interactions a drop-down list of available aliased interactions is provided. This is much easier to use than Linear Graphs.
  - Column assignments to Orthogonal Array are optimized to ensure maximum design resolution.