



CADSWES

University of Colorado

Center for Advanced Decision Support for Water and Environmental Systems

# Advances in Rulebased Simulation and other Applications of the RPL

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Patrick Lynn

# RPL Applications

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- 1997: Rulebased Simulation
- 2001: User-defined Accounting Methods
- 2004: RPL-based Expression Slots
- 2006: RPL-based Optimization
- 2006: Iterative (RPL controlled) MRM

# New RPL Functionality

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- String Search and Replace
- RPL Set Export and Import
- Predefined Function Diagnostics
- Disable RPL Statements, List Items
- Operators: SUM and AVE
- Optimization Statements
- Predefined functions
  - Random, RandomNormal

# Frequently Requested RPL Enhancements

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- Link rules to external documentation
- Support interactive debugging
- Improve diagnostics
- Support undo in RPL editors