

5.1.2

Infrastructure Modeling and Digital Agencies - The Convergence of CAD, BIM, GIS, Analysis, Visualization and Collaboration in the Future

Presenter

Doug Eberhard
Sr. Director
Autodesk
doug.eberhard@autodesk.com

Co-Presenter

Connie Gurchiek
Vice President
GeoDecisions
cgurchiek@geodecisions.com

As Government stimulus drives more and better infrastructure projects, how will agencies and the industry respond from a data, decision making and delivery side? How can we improve the way we plan, design, construct, simulate and operate more sustainable infrastructure in a digital world before it gets built and maintained in the real world? What role will GIS play as newer model-based tools like Building Information Modeling (BIM) become more mainstream and valuable in the overall process? How will the convergence of these information rich models become deliverables themselves and how will the profession need to change as a result? This presentation will look into the future of Infrastructure Modeling and Digital Agencies and explore the roles that empowered information, technology, people and process will play in the future. It will examine today's trends and successes around converged model-based design, simulation, visualization and collaboration while looking at tomorrow's opportunities for a more systematic and sustainable world.