

RAVINDRA K. AHUJA, President & CEO

Ravindra K. Ahuja, the founding President & CEO of Innovative Scheduling, is a world-renowned researcher and academician. He holds a joint appointment of Professor in the Industrial and Systems Engineering Department at the University of Florida, Gainesville. He obtained his B.S. in Mechanical Engineering, and his M.S. and Ph.D. in Industrial and Management Engineering from the Indian Institute of Technology, Kanpur. He has served as a Professor at Indian Institute of Technology, Kanpur; MIT Sloan School of Management and the Business School at Rutgers University. He has made significant contributions to the theory and applications of network optimization, and his books and research papers are widely cited.

Ravi founded Innovative Scheduling in 2000 to bring cutting-edge optimization research techniques to the field of transportation and scheduling. He has developed innovative models and algorithms for several airline scheduling, railroad scheduling, truckline scheduling, and logistics problems that were previously considered intractable. These algorithms have now been packaged into interactive web-enabled decision support systems at Innovative Scheduling.

Ravi publishes widely and is a coauthor three textbooks and more than 100 research papers and book chapters in the areas of industrial engineering, operations research, and computer science. He is also an Associate Editor of three prestigious journals: *Operations Research*, *Transportation Science*, and *Networks*.



BOOKS

- *Network Flows: Theory, Algorithms, and Applications*
R.K. Ahuja, T.L. Magnanti, and J.B. Orlin; Prentice Hall, 1993
- *Developing Spreadsheet-Based Decision Support Systems*
M.M.H. Şeref, R.K. Ahuja, and W.L. Winston, Dynamic ideas, 2007
- *Developing Web-Enabled Decision Support Systems*
A.A. Pol and R.K. Ahuja; Dynamic Ideas 2007
- *Robust and Online Large-Scale Optimization-Models and Techniques for Transportation Systems*
R.K. Ahuja, R.H. Möhring, C.D. Zaroliagis (eds.); Springer 2009

AWARDS

- 1993 *Lanchester Prize* given by INFORMS for the best publication of the year in Operations Research and Management Science in the English Language for the book, *Network Flows: Theory, Algorithms and Applications*.
- 2003 *Pierskalla Award* given by INFORMS to the best paper of Operations Research in Health Applications.
- 2006 *Daniel H. Wagner Award* given by INFORMS for Excellence in Operations Research Practice.
- 2007 *Koopman Prize* given by INFORMS to the best contribution to Military Operations Research.
- 2008 INFORMS Fellow.
- 2010 Honorable Mention by INFORMS for best contribution in Transportation and Logistics.

SELECTED PROJECTS

- Developing algorithms for LTL truckline planning and execution
- Optimizing operating plans of LTL Carriers
- Consulting to improve CSX's current operating plan and yard configuration
- Implementing blocking algorithm at Norfolk Southern and BNSF Railway
- Locomotive planning study for CSX Transportation
- Train scheduling models for BNSF Railway
- New fleet planning models for United Airlines
- Distribution planning for Toyota Motors