

Robert B. Dial

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In over thirty years of innovative application of advanced technology to transportation planning and operations in public and private sectors, responsibilities have ranged from engineering design and implementation to multimillion-dollar program conception and management. Areas of specialization include decision support systems in general and network optimization in particular.

As an engineer, has invented algorithms and built software in use world-wide. As a manager, has conceived, promoted, and implemented technology initiatives and directed local, state, federal and private R&D programs.

Besides Supervisory Engineer (UMTA), Senior Software Engineer (Etak) and Operations Research Analyst (Volpe Center), job titles have included Vice President of R\&D of a technology start-up company (RoadNet), Principal Scientist for a technology subsidiary of a multinational logistics company (United Parcel Service), Associate in Charge of Information Services at a major transportation consulting firm (PRC-Voorhees), Office Director in the Federal government (DOT), and Full Professor at a major university (University of Texas at Austin).

In the relatively recent past, invented an autonomous para-transit system (ADART) and provided technical advice in its development and demonstration. Designed and implemented new efficient algorithms for the static and stochastic equilibrium traffic assignment. Presently retired, writes, and occasionally consults---when not renovating his Florida home or walking his dog.