

## Recent Trends and Evolution in Optimization Solvers

**ABSTRACT** – This talk focuses on an overview of recent developments in optimization solvers: modeling, algorithms, and deployment in modern computing environments viewed from the lens of FICO Xpress.

The talk will constitute of two parts: First part will focus on algorithmic advancements in the core solvers, handling numerical issues, and developments in nonlinear solvers. The second part of the talk will focus on deploying optimization technology in real-world applications in modern computing environments. Finally, the talk will also cover how optimization is making an impact.



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**SPEAKER BIO** – Dinakar Gade is a Product Manager at FICO where he works with clients who use optimization technologies in diverse industries. Prior to FICO, he was with Sabre Corporation where he worked on large-scale disruption management, aircraft, and passenger recover problems in the airline industry.

Dinakar holds a Ph.D. in Industrial and Systems Engineering from The Ohio State University and his interests lie in both the business and technical aspects of optimization technologies.