APPLIED MATH SPOTLIGHT

RADOSLAV VUCHKOV

My research focuses on large-scale inverse problems formulated as PDE-constrained optimization with various applications. In particular, often inverse problems benefit from second order methods such as Newton due to its superior convergence properties, I focus on Hessian approximations and reduced order models to reduce the total computational cost of the inverse problem.

My career aspiration is to continue a research based career at either national laboratory or academia.

About Me

- I enjoy being active running, climbing, hiking.
- When time permits, I enjoy making traditional Bulgarian food.

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