



APPLIED MATHEMATICS & RESEARCH EXPERIENCE

January 24, 2015

I would like to invite your company to participate in The College of Wooster **Applied Mathematics & Research Experience Program** (AMRE). The Summer 2014 program demonstrated the wide variety of projects that AMRE can address:

Goodyear Tire & Rubber Company

- *Predictive Analysis of Tire Quality Metrics for Manufacturing Equipment*
- *Idealized Cornering Footprint*

Kent Displays Inc.

- *Identifying Manufacturing Factors that Cause Faulty Displays*

Fives North American Combustion

- *Furnace and Process Data Analysis*

Ohio Agricultural Research & Development Center

- *Finding Promoters in Tomato Fruit Genome*

Progressive Insurance

- *Insurance Policy Geography Variable Analysis*

Wooster City School District

- *Year-round Schooling: Literature Review*

Prentke-Romich Company

- *Design Thinking for Language and Assistive Technology*
- *Automated Software Validation*

United Way 2-1-1

- *Cost Analysis*

You can obtain further information about AMRE and all projects completed over the program's 21-year existence by visiting the AMRE web page at wooster.edu/amre.

We welcome proposals for projects in our traditional fields of expertise in applied mathematics/modeling numerical computation, management science, operations research, statistical analysis, computer science, accounting, marketing, and finance. We also welcome proposals in other fields such as communication, assessment, writing or any of the sciences.

The 2015 AMRE program will run for eight weeks beginning May 12, though preparation and project definition work will need to be done prior to this official starting date. Please contact me by phone or email with project ideas or proposals. Thank you for your consideration.

John R. Ramsay, Director, AMRE

Professor of Mathematics and Associate Dean of Experiential Learning

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