

## **NSF RET at Chico State**

### **Mathematical Modelling, Knot Theory, or Number Theory**

Through funding provided by the National Science Foundation, California State University, Chico will be hosting Research Experiences for Teachers this summer. The program provides a unique opportunity for teachers to engage in cutting-edge mathematical research under university faculty supervision. Dr. Sergei Fomin, Dr. Thomas Mattman, and Dr. Ben Levitt will each lead a research team made up of in-service teachers and undergraduates. Sergei will be our guide for an exploration of the marvels of math modelling using calculus and differential equations, Ben will lead us to some prime sites in the realm of numbers, and Thomas will be tying up the loose ends. The program will take place in Chico from June 18 through July 27 and includes lectures by eminent mathematicians from northern California. A stipend of \$4000 will be provided to successful applicants who can also obtain graduate credit.

To apply, please send your responses to the following questions to Sergei Fomin.

1. What is your name and contact information (address, phone, email)?
2. What is the highest degree you've earned (include date and name of college)?
3. Where are you currently teaching (name and location of school)?
4. What courses are you teaching and have you taught?
5. What math courses have you taken (if any) since your undergraduate degree?
6. What professional activities have you been involved in (e.g., conference attendance/presentation, supervising mathematical competitions or other extra-curricular events, professional development experiences)?
7. Please write a one-page note indicating why you are interested in participating in the program (Do you prefer math modelling, knot theory, number theory, or do you have no preference?), your mathematical interests, and any other information you care to add.
8. Please write a second one-page note telling us the most interesting mathematical result or problem you know and perhaps explain something about its solution or applications.
9. We encourage (but do not require) you to have a letter of support from an administrator (e.g., principal) sent to us.

**Review of Applications Begins March 1, 2007**

For further information, contact Sergei:

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