



University at Buffalo
The State University of New York
Department of Mathematics

Applicant: Jeffrey Delmerico

Mentor: Dr. John Ringland

January 22, 2005

Dear DIMACS application review committee member,

I am writing to strongly recommend Jeffrey Delmerico for acceptance to the DIMACS workshop in Mathematical Modeling of Infectious Diseases in Africa this June in Capetown.

As an undergraduate here at UB, Jeffrey was a University Honors scholar who was the 2003 Outstanding Senior in Physics, and graduated Magna Cum Laude with a double major in Physics and Math, and a minor in Education. I was his instructor in MTH 306 in which he was notably conscientious and did very good work, including in two class projects which had modeling and numerical components.

Jeffrey is now a graduate student in our department, and is doing very well. I was his instructor in MTH 537 Numerical Analysis I last semester, and rate him as one of the most diligent and reliable students in the class. He was always well-prepared, always showed a solid understanding of what we were doing and why, and frequently gave good answers to questions I posed in class. In the class project, his team of three created the stand-out report of the class: it was a model of mathematical and computational competence and clarity of presentation.

With his background in Physics and Math, including graduate level courses in Applied Math and Numerical analysis, Jeffrey is very well prepared to contribute to, and benefit from, the DIMACS workshop. His excellent motivation, pleasant personality, and ability to work well with others, add to his qualifications. I recommend him strongly and without any hesitation.

Furthermore, I am happy to commit to mentoring Jeffrey in research on related lines upon his return from the workshop. (I have interests in discrete dynamical systems in population and epidemiological dynamics: see article currently in press in Theoretical Population Biology, <http://dx.doi.org/10.1016/j.tpb.2006.08.006>.)

Sincerely,

A handwritten signature in blue ink, appearing to be 'JR' with a stylized flourish extending from the 'R'.

John Ringland

Assoc. Prof.

ringland@math.buffalo.edu