

VCU Discrete Mathematics Seminar

Integer Programming Techniques for Combinatorial Optimization Problems

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VCU!

Tuesday, November 4
12:30–1:20
4119 Harris Hall

In this talk, we will give a very introductory overview on integer programming. Topics include generic and special valid inequalities for combinatorial (0-1) optimization problems, Lagrangian duality in integer programming, and several application examples in optimization under risk constraints and energy-aware vehicle routing problems. Computational results will be shown to demonstrate the power of integer programming techniques for solving (NP-) hard combinatorial optimization problems.



For more information on our fall schedule, see:
<http://www.people.vcu.edu/~dcranston/DM-seminar/>