

# Curriculum Vitae

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Lewis Ntaimo

Texas A&M University  
Dept. of Industrial and Systems Engineering  
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## EDUCATION:

**Ph.D. Systems and Industrial Engineering** Jan 2001 - Aug 2004  
Minor: **Electrical and Computer Engineering**  
University of Arizona, Tucson, USA  
Dissertation Title: *Decomposition Algorithms for Stochastic Combinatorial Optimization:  
Computational Experiments and Extensions*  
Major Advisor: Professor Suvrajeet Sen                      Minor Advisor: Professor Bernard P. Zeigler  
GPA: 3.87/4.00

**M.S. Mining and Geological Engineering** Jan 1999 - Dec 2000  
University of Arizona, Tucson, USA  
Thesis Title: *Online Estimation of Bucket Fullness for a Wheel Loader for  
Autonomous Rock Excavation Using Artificial Neural  
Networks.*  
Advisor: Dr. Mary M. Poulton.  
GPA: 3.91/4.00

**B.S. Mining Engineering** Sep 1996 – Dec 1998  
University of Arizona, Tucson, AZ, USA  
Major GPA: 4.00/4.00  
South Dakota School of Mines and Technology, Rapid City, SD, USA Sep Sep 1994 - May 1996  
Transferred

**Advanced Levels (A-Levels)** Sep 1992 - May 1994  
University of Cambridge, Cambridge, England  
Site: Mpelembe Secondary School, Kitwe, Zambia  
Grades: Mathematics (A), Physics (A), Chemistry (A)

## PROFESSIONAL CERTIFICATION

Engineer-In-Training (E.I.T) Certification, No. 07760, State of Arizona, June 1999.

## POSITIONS AND EMPLOYMENT

**Assistant Professor** 2004 – Present  
Dept. of Industrial and Systems Engineering  
Texas A&M University, College Station, USA.

**Graduate Research Assistant** Jan 2001 – Aug 2004.  
Dept. of Systems and Industrial Engineering, University of Arizona, Tucson, USA

- Conducted research in mathematical modeling and algorithm development for general stochastic mixed-integer programming with a wide range of real-life applications.
- Conducted research in discrete-event modeling and simulation.
- Algorithm software development for both sequential and distributed computing environments.

**Graduate Research Assistant** Jan 1999 – Dec 2000.

Dept. of Mining, Geological and Geophysical Engineering, University of Arizona

- Performed research in intelligent control, robotics and automation for mining operations.
- Provided teaching assistance in Mining Engineering undergraduate courses.

**Mining Engineer Intern** May 1998 – Aug 1998.

Cyprus Miami Mining Corporation, Miami, Arizona.

- Performed short-term mine planning and design, ore control, and open-pit and land surveying.

**Applications Programmer** Aug 1998 – Dec 1998.

Modular Mining Systems Corporation, Tucson, Arizona.

- Part-time: developed mining dispatch software applications for mining clients

**Summer Engineer** May 1997 Aug 1997.

Cyprus Miami Mining Corporation, Miami, Arizona.

- Performed short-term mine planning and design, ore control, and open-pit and land surveying.

**AWARDS AND DISTINCTIONS:**

- Outstanding Professor Award, ISEN Dept. Alpha Pi Mu Student Chapter Society, April 28, 2007.
- Appointment to the INFORMS Young Researcher Connection, April 29 - May 1, 2007.
- Marquis Who is Who in America, honored biographee, 61st Edition, 2007.
- 2nd Place: Best Student Paper Award, Summer Computer Simulation Conference, San Jose, CA 2004.
- Nominated to participate in the INFORMS Doctoral Colloquium in Atlanta, GA, 2003.
- Awarded Certificate-of-Recognition in Student Essay Contest, University of Arizona, 1998.
- College of Engineering and Mines Certificate of Academic Distinction, University of Arizona, 1997-1998.
- Certificate of Academic Excellence, Golden Key National Honor Society, 1997.

**PROFESSIONAL MEMBERSHIPS AND OTHER POSITIONS**

- Research Advisor for Operations Research 2005 – present  
Arizona Center for Integrated Manufacturing and Simulation (ACIMS)  
University of Arizona, Tucson/Arizona State University, Tempe, USA.
- Faculty Advisor 2005 - 2008  
Texas A&M University, Institute of Industrial Engineers (IIE) Student Chapter.
- Member, Institute of Industrial Engineers (IIE), INFORMS, Mathematical Programming Society (MPS), Society for Modeling and Simulation International (SCS), International Council on Systems Engineering (INCOSE).
- Technical Committee Member, DEVS Symposium, Spring Simulation Multiconference, since December 2006.
- Session Chair, International Conference on Stochastic Programming, IIE Conference, INFORMS Meeting, SCS Conference, INFORMS International, IFORS.
- Panelist/Proposal Reviewer, National Science Foundation Proposal Review Panels, DMII, CDI.
- Proposal Reviewer, Natural Sciences and Engineering Research Council of Canada.
- Referee for Operations Research, Journal of Global Optimization, Computational Optimization and Applications Journal, Environmental Modeling and Software journal, IIE Transactions, Informs Journal on Computing, International Journal of Modeling and Simulation, European Journal of Operational Research.

**RESEARCH SUPPORT**

DDDAS-SMRP: Dynamic Data Driven Integrated Simulation and Stochastic Optimization for Wildland Fire Containment, National Science Foundation, Award No. 0540000, Principal Investigator L. Ntamo, Co-Principal Investigator, Xiaolin Hu, Georgia State University, 2 graduate student, 12/1/05 to 11/30/08, \$200,000 (L. Ntamo, \$100,000, one graduate student).

DDDAS-SMRP: Dynamic Data Driven Integrated Simulation and Stochastic Optimization for Wildland Fire Containment, National Science Foundation, Research Experience for Undergraduates (REU), Award No. 0540000, Principal Investigator L. Ntamo, 1 undergraduate student, 12/1/05 to 11/30/08, \$6,000.

CSR-CSI: System Integration of Dynamical Data Driven Wildfire Spread and Firefighting Modeling, Simulation, and Optimization, National Science Foundation, Award No. 0720470, Principal Investigator L. Ntamo, 1 graduate student, 06/07/07 to 10/31/09, \$80,000.

Reducing Medication Errors in Pediatrics, National Science Foundation I/UCRC, Center for Health Organizational Transformation (CHOT), Texas A&M Research Foundation Award No. 424361-03001, Principal Investigator L. Ntamo, Co-Principal Investigators A. Banerjee and K. Kianfar, 03/01/09 to 02/28/10, \$50,000. (L. Ntamo, \$20,196, 1 graduate student)

EAGER: Reducing Energy Consumption in Data Centers, National Science Foundation, Award No. 0946935, Principal Investigator N. Gautam, Co-Principal Investigator L. Ntamo, two graduate student, 09/1/09 to 18/30/11, \$240,000 (L. Ntamo, \$120,000, 1 graduate student).

Collaborative Research: CDI-Type II - Integrated Weather and Wildfire Simulation and Optimization for Wildfire Management, National Science Foundation, Award No. 0940134, Principal Investigator L. Ntamo Co-Principal Investigators X. Hu, Y. Hong, J. Nutaro, and M. Xue, four graduate students, 11/01/09 to 10/31/13, \$1,000,000 (L. Ntamo, \$220,825, 1 graduate student).

System of Systems for Petrochemical Transportation Security (SOSE), Sponsor: Texas Southern University, Prime Sponsor: US Department of Homeland Security, Principal Investigator L. Ntamo (subcontract), 07/15/09 to 05/31/11, \$85,581.

## **TEACHING**

2009 Fall Semester

ISEN 640 Large-Scale Stochastic Optimization

ISEN 416 Facilities Location, Layout and Material Handling

2009 Spring Semester

ISEN 689 Systems Thinking and Analysis (Distance learning course)

2008 Fall Semester

ISEN 416 Facilities Location, Layout and Material Handling

2008 Spring Semester

ISEN 416 Facilities Location, Layout and Material Handling

ISEN 689 Systems Thinking and Analysis (Distance learning course)

2007 Fall Semester

ISEN 689 Large-Scale Stochastic Optimization

2007 Spring Semester

ISEN 416 Facilities Location, Layout and Material Handling

ISEN 689 Systems Thinking and Analysis (New course offering, distance learning course)

2006 Fall Semester:

INEN 416 Facilities Location, Layout and Material Handling

2006 Spring Semester:

INEN 416 Facilities Location, Layout and Material Handling

2005 Fall Semester:

INEN 689-602 Large-Scale Stochastic Optimization (New course offering)

2005 Spring Semester:

INEN 420 Operations Research I

2004 Fall Semester:

INEN 420 Operations Research I

### **STUDENTS ADVISED**

M.S. 2

M.E. 9

Ph.D. 1

### **CURRENT STUDENTS**

M.S. 1

M.E. 5

Ph.D. 4

### **PUBLICATIONS**

\* My students.

#### **Refereed Journal Publications**

##### **Published:**

Ntaimo, L., B.P. Zeigler, M.J. Vasconcelos and B. Khargharia, "Forest Fire Spread and Suppression in DEVS," *SIMULATION: Transactions of the Society for Modeling and Simulation International*, Vol. 80, No. 10, pp. 479-500, 2004.

Ntaimo, L. and S. Sen, "The Million-Variable 'March' for Stochastic Combinatorial Optimization," *Journal of Global Optimization*, Vol. 32, No. 3, pp. 385-400, 2005.

Ntaimo, L. and S. Sen. "A Branch-and-Cut Algorithm for Two-Stage Stochastic Mixed-Binary Programs With Continuous First-Stage Variables," *International Journal of Computational Science and Engineering*, Vol. 3, No. 6, pp. 232-241, 2008

Ntaimo, L. and S. Sen, "A Comparative Study of Decomposition Algorithms for Stochastic Combinatorial Optimization," *Computational Optimization and Applications*, Vol. 40, No. 3, pp. 299-319, 2008.

Ntaimo, L. and M.W. Tanner\*, "Computations with Disjunctive Cuts for Two-Stage Stochastic Mixed 0-1 Integer Programs," *Journal of Global Optimization*, Vol. 41, No. 3, pp. 365-384, 2008.

Ntaimo, L., X. Hu and Y. Sun, "DEVS-FIRE: Towards an Integrated Simulation Environment for Surface Wildfire Spread and Containment," *SIMULATION: Transactions of the Society for Modeling and Simulation International*, Vol. 84, No. 4, pp. 137-155, 2008.

Tanner, M.W.\*, L. Sattenspiel and L. Ntaimo, "Finding Optimal Vaccination Strategies under Uncertainty using Stochastic Programming," *Mathematical Biosciences*, Vol. 215, pp. 144 - 151, 2008.

Hu, X. and L. Ntaimo, "Integrated Simulation and Optimization for Wildfire Containment," *The ACM Transactions on Modeling and Computer Simulation (TOMACS)*, Vol. 19 No. 4, to appear, 2009. Contact: John Konkle, tomacs@linklings.net.

Ntaimo, L., “Disjunctive Decomposition for Two-Stage Stochastic Mixed-Binary Programs with Random Recourse,” *Operations Research*, 2009. ePub ahead of print July 13, <http://or.journal.informs.org/cgi/rapidpdf/opre.1090.0693v1> Contact: Janet Kerrigan, [kerrigan@mit.edu](mailto:kerrigan@mit.edu).

Pérez, E.\*, L. Ntaimo, C. Bailey and P. McCormack, “Modeling and Simulation of Nuclear Medicine Patient Service Management in DEVS,” *SIMULATION, Special Issue on Modeling and Simulation in Health care*, accepted, 2009. Contact: Dr. Levent Yilmaz, [yilmaz@eng.auburn.edu](mailto:yilmaz@eng.auburn.edu).

**Submitted:**

Tanner, M.W.\* and L. Ntaimo, “IIS Branch-and-Cut for Joint Chance-Constrained Programs with Random Technology Matrices,” *European Journal of Operational Research*, under second review, submitted 2008.

Byon, E., L. Ntaimo and Y. Ding, “Optimal Maintenance Strategies for Wind Turbine Systems under Stochastic Weather Conditions,” *IEEE Transactions on Reliability*, under review, submitted 2008.

Trukhanov, S., L. Ntaimo and A. Schaefer, “Adaptive Multicut Aggregation for Two-Stage Stochastic Linear Programs with Recourse,” *European Journal of Operational Research*, under second review, submitted 2008.

Byon, E., E. Pérez\*, Y. Ding and L. Ntaimo, “Simulation of Wind Farm Maintenance Operations and Maintenance using DEVS,” *SIMULATION*, submitted, 2009.

**In Preparation:**

Ntaimo, L., “Fenchel Decomposition for Stochastic Integer Programming,” to be submitted, 2009.

Pérez, E.\*, L. Ntaimo, W. E. Wilhelm, C. Bailey and P. McCormack, “Patient and Resource Scheduling of Multi-Step Medical Procedures in Nuclear Medicine,” to be submitted, 2009.

Pérez, E.\* and L. Ntaimo, “Stochastic Online Patient and Resource Scheduling of Multi-Step Medical Procedures in Nuclear Medicine,” in preparation.

Ntaimo, L., V.J. Leon and E. Beier\*, “Supply Chain Coordination with Private Information and Stochastic Demand,” in preparation.

Ntaimo, L., J. A. Gallego Arrubla\*, J. Gan, T. Spencer, C. Stripling and J. Young, “An Explicit Fire Growth Stochastic Programming Model for Wildfire Initial Attack Planning,” in preparation.

Ntaimo, L., J. A. Gallego Arrubla\*, J. Gan, T. Spencer, C. Stripling and J. Young, “A Standard Response Stochastic Programming Model for Wildfire Initial Attack Planning,” in preparation.

### **Refereed Conference Proceedings**

Gu,F., X. Hu, and L. Ntamo,” Towards Validation of DEVS-FIRE Wildfire Simulation Model,” Proceedings of the High Performance Computing and Simulation Symposium (HPCS’08), part of SpringSim’08, 2008.

Ntamo, L., W.J. Lee\* and A. Jalora, “A Stochastic Mixed-Integer Programming Approach to Optimal Resource Allocation for Wildfire Containment,” Proceedings of the 2006 IIE Annual Conference, Orlando, FL, May 21-24, 2006.

Ntamo, L. and B. Khargharia, “Two-Dimensional Fire Spread Decomposition in Cellular DEVS Models,” Proceedings of 2006 Spring Simulation Multi-Conference, Huntsville, AL, April 2-5, 2006.

Hu, X. and L. Ntamo, “Dynamic Multi-Resolution Cellular Space Modeling for Forest Fire Simulation,” Proceedings of 2006 Spring Simulation Multi-Conference, Huntsville, AL, April 2-5, 2006.

Ntamo, L., and B. P. Zeigler, “Integrating Fire Suppression into a DEVS Cellular Forest Fire Spread Model,” Proc. of the 2005 Spring Simulation MultiConference, San Diego, CA, USA, April 3-7, pp. 48-54, 2005.

Hu, X., A. Muzy and L. Ntamo. “A Hybrid Agent-Cellular Space Modeling Approach for Fire Spread and Suppression Simulation,” Proc. of 2005 Winter Simulation Conference, Orlando, FL, USA, Dec 4-7, 2005.

Ntamo, L., and B.P. Zeigler. “Expression of a forest Cell Model in Parallel DEVS and Timed Cell-DEVS Formalisms,” Proc. of the 2004 Summer Computer Simulation Conference, San Jose, CA, USA, July 25-29, 2004.

Ntamo, L and L. Yu, “Distributed Discrete Optimization under Uncertainty,” Proceedings of IIE Annual Conference 2004, Houston, Texas, May 15-19, 2004.

Khargharia B., S. Hariri, M. Parashar, L. Ntamo, B. Kim, “vGrid: A Framework for Building Autonomic Applications,” Proc. of Challenges of Large Applications in Distributed Environments (CLADE), Seattle, WA, June 22-24, 2003.

### **Refereed Book Chapters**

Sen, S., J.L. Higle, L. Ntamo, “A Summary and Illustration of Disjunctive Decomposition with Set Convexification,” in Stochastic Integer Programming and Network Interdiction Models, D.L. Woodruff, Ed., Kluwer Academic Press, Dordrecht, The Netherlands, pp. 105-123, 2002.

Ntamo, L, “Perceptions Shaped by Culture,” in Study Guide for First-Year English Composition, 19th Edition, University of Arizona Publication, 1998.

### **Magazine Featured Articles:**

June 2005: “Hot Simulations,” Industrial Engineer.

April 14, 2005: “Class Project Blossoms into Software that May Save Millions of Trees,” University of Arizona SCI/TECH News.

March 8, 2005: “Fire Research Ablaze at Texas A&M University,” Texas A&M Engineering News.

## PRESENTATIONS

Ntaimo, L. "Fenchel Decomposition for Stochastic Mixed-Integer Programming," 20th International Symposium on Mathematical Programming (ISMP), Chicago, Aug 23 - 28, 2009.

Beier, E\*. and L. Ntaimo, "A Stochastic Optimization Method for Supply Chain Inventory Coordination under Private Information," INFORMS Annual Conference, Washington D.C., Oct 13-15, 2008.

Gallego, J\*. and L. Ntaimo, "A Stochastic Programming Model for Initial Response for Wildfire Containment," INFORMS Annual Conference, Washington D.C., Oct 13-15, 2008.

Ntaimo, L. and X. Hu, "Dynamical Data Driven Integrated Simulation and Optimization for Wildfire Containment," INFORMS Annual Conference, Washington D.C., Oct 13-15, 2008.

Tanner, W.M\*. and L. Ntaimo, "MIP Approaches to Joint Chance-Constrained Programs with Random Technology Matrices," INFORMS Annual Conference, Washington D.C., Oct 13-15, 2008.

Perez, E\*. and L. Ntaimo, "Patient Scheduling in Healthcare Nuclear Medicine Departments (NMDs)," INFORMS Annual Conference, Washington D.C., Oct 13-15, 2008.

Tanner, M. and L. Ntaimo, "IIS Inequalities for Jointly Constrained Stochastic Programs: Implementation and Computational Results," INFORMS Southwest Regional Conference, College Station, TX, April 18 - 19, 2008.

Ntaimo, L., "Disjunctive Cuts for Two-Stage Stochastic Mixed 0-1 Programs with Recourse and Applications," The Department of Computational & Applied Mathematics, Rice University, Colloquium Lectures, Nov 12, 2007.

Ntaimo, L., "A Computational Study of Disjunctive Cuts for Two-Stage Stochastic Mixed 0-1 Programs with Recourse," Department of Industrial & Systems Engineering, Georgia Tech, ISyE Discrete Optimization Seminars, Oct 25, 2007.

Ntaimo, L., "A Simulation and Stochastic Programming Approach to Resource Deployment for Wildfire Containment," INFORMS Annual Conference, Seattle, WA, Nov 4 - 7, 2007.

Tanner, M.W.\* and L. Ntaimo, "A Scenario-based Branch-and-cut Algorithm for Stochastic Programs with Probabilistic Constraints," INFORMS Annual Conference, Seattle, WA, Nov 4 - 7, 2007.

Ntaimo, L. and M.W. Tanner\*, "A Computational Study of Disjunctive Cuts for Two Stage Stochastic 0-1 Programs with Recourse," 11th Conference on Stochastic Programming (SPXI), Vienna, Austria, Aug 27-31, 2007.

Ntaimo, L. and M.W. Tanner\*, "Disjunctive Decomposition for Two-Stage Stochastic Mixed 0-1 Programs with Random Recourse," 2007 INFORMS International, Puerto Rico, July 8-11, 2007.

Tanner, M.W.\* and L. Ntaimo, "A Computational Study of Lift-and-Project Cuts for Stochastic Mixed 0-1 Programs," 2007 INFORMS International, Puerto Rico, July 8-11, 2007.

Ntaimo, L., "Disjunctive Decomposition for Stochastic Mixed-Integer Programs and Applications," Department of Industrial Engineering, University of Pittsburgh, Seminar Series, Feb 22, 2007.

Ntamo, L., "Disjunctive Decomposition for Stochastic Mixed-Integer Programs and Applications," Department of Industrial Engineering, *University of Pittsburgh*, Seminar Series, Feb 22, 2007.

Ntamo, L., "A Class of Algorithms for Large-Scale Stochastic Mixed-Integer Programs and Applications," Department of Mechanical Engineering, *University of Texas at Austin*, Seminar Series, Sept 15, 2006.

Ntamo, L., "Disjunctive Decomposition for Stochastic Mixed-Binary Programs with Random Recourse," International Symposium on Mathematical Programming, Rio De Janeiro, Brazil, Jul 31 - Aug 4, 2006 - (Invited Talk: Stochastic Programming).

Ntamo, L., "A Stochastic Mixed-Integer Programming Approach for Wildfire Containment," IIE Annual Conference, Orlando, FL, May 21-24, 2006 - (with Won Ju Lee and Anshu Jalora).

Ntamo, L., "Dynamic Multi-Resolution Cellular Space Modeling for Forest Fire Simulation," Spring Simulation Multiconference - DEVS Integrative M&S Symposium (DEVS'06), Von Braun Center, Huntsville, AL, Apr 2-5, 2006 - (with X. Hu).

Ntamo, L., "Two-Dimensional Fire Spread Decomposition in Cellular DEVS Models," Spring Simulation Multiconference - DEVS Integrative M&S Symposium (DEVS'06), Von Braun Center, Huntsville, AL, Apr 2-5, 2006 (with B. Khargharia).

Ntamo, L., "Discrete Event Modeling and Simulation of Forest Fire Spread and Suppression," First Friday AAPO Lecture Series, Texas A&M University, Nov 4, 2005 (Invited Talk).

Ntamo, L., "A Comparative Study of Decomposition Algorithms for Stochastic Mixed-Integer Programming," INFORMS Annual Conference, San Francisco, CA, Nov 15, 2005 (Session Chair: Stochastic Programming).

Ntamo, L., "A Hybrid Agent-Cellular Space Modeling Approach for Fire Spread and Suppression Simulation," 2005 Winter Simulation Conference, Orlando, FL, Dec 4-7, 2005 (with X. Hu and A. Muzy).

Ntamo, L., "Modeling and Simulation of Forest Fire Spread and Suppression in DEVS," Dept. of Industrial Engineering Seminar Series, Texas A&M University, College Station, TX, Sep 5, 2005.

Ntamo, L., "Decomposition Algorithms for Stochastic Combinatorial Optimization and Applications," IIE Annual Conference, Atlanta, GA, May 14-18, 2005 - (Session Chair: Large-Scale Optimization).

Ntamo, L., "Disjunctive Decomposition with Branch-and-Cut for Stochastic Mixed-Integer Programming," IFORS, Honolulu, Hawaii, Jul 11-15, 2005 (Invited Session: Stochastic Programming).

Ntamo, L., "Integrating Fire Suppression into a DEVS Cellular Forest Fire Spread Model," Spring Simulation Multiconference, San Diego, CA, Apr 3-7, 2005 (Invited Session: DEVS Applications).

Ntamo, L., "Disjunctive Decomposition with Branch-and-Cut (D2-BAC) for two-stage SMIP," INFORMS Conference, Denver, CO, October 25, 2004 (Invited Session: Stochastic Integer Programming).

Ntaimo, L., “Disjunctive decomposition for stochastic mixed-integer programming with continuous first-stage,” Stochastic Programming Conference, Tucson, AZ, Oct 12, 2004 (Session Chair: Stochastic Integer Programming).

Ntaimo, L., “Decomposition algorithms for stochastic combinatorial optimization,” Dept. of Industrial Engineering Seminar Series, Texas A and M University, College Station, TX, Sep 13, 2004.

Ntaimo, L., “Expressing a forest cell model in Parallel DEVS and Timed Cell-DEVS formalisms,” 2004 Summer Computer Simulation Conference, San Jose, CA, Jul 26, 2004 – (Invited Session: DEVS Applications).

Ntaimo, L., “Distributed Discrete Optimization under Uncertainty,” IIE Annual Conference, Houston, TX, May 2004 (Invited Session: Parallel/Distribution Algorithms).

Ntaimo, L., “Stochastic Mixed-Integer Programming for Server Location Problems under Uncertainty,” INFORMS Conference, Atlanta, GA, Oct, 2003 (Invited Session: Stochastic Integer Programming).

Ntaimo, L., “Algorithms for Large Scale Stochastic Mixed-Integer Programming and Applications to Server Location Problems under Uncertainty,” Dept. of Systems and Industrial Engineering Seminar Series, University of Arizona, May 2003.

Ntaimo, L., “Online Estimation of Bucket Fullness for a Wheel Loader for Autonomous Rock Excavation using Artificial Neural Networks,” Mining and Geological Engineering Dept. Seminar Series, University of Arizona, Oct 2000.

#### **OUTREACH PRESENTATIONS**

Dwight Look College of Engineering, **Discover Engineering Conference**, Oct 17, 2006, “Forest Fire Simulation Demo,” Presented (two sessions) to 98 high school students interested in pursuing Industrial Engineering.

Annual TAMU Open House for Potential Students, Family, and Educators, **Aggieland Saturday**, Feb 17, 2006, “Forest Fire Simulation Demo,” Presented (one session) to about 50 high school students interested in pursuing Industrial Engineering.