

The Graduate Student Assembly



Proudly Presents:

The 24th Annual Research Symposium and Exposition

**Wednesday, March 26th, 2008
Graduate Life Center**

Sponsors:

- 1. Office of the Provost**
- 2. College of Architecture and Urban Studies**
- 3. College of Liberal Arts and Human Sciences**
- 4. College of Engineering**

Preface & Acknowledgements

The Research Symposium and Exposition of Virginia Tech is a forum that provides graduate and undergraduate students a unique opportunity to showcase their scholarly pursuits and achievements in their respective academic fields. The symposium is intended to stimulate interaction and exchange of ideas among faculty, staff and students from a variety of disciplines and backgrounds.

This year's Symposium has three entry formats that allow all students of Virginia Tech to present in the medium that is appropriate for their work. The three entry formats are Poster Presentation, Visual Presentation, and Lecture, Speech or Performance Presentation

Participants were able to choose from seven entry categories for the 2008 Research Symposium. These include: Advanced Undergraduate, Agriculture and Animal Sciences, Arts, Architecture and Urban Studies, Engineering, Natural, Physical, and Biological Sciences, and Social Sciences and Humanities.

I would like to congratulate all of the participants for their outstanding accomplishments and willingness to share their work with the Virginia Tech community. All of the research presented is truly impressive and serves as a testimony to the high caliber of academic and research programs at Virginia Tech.

There are many people to thank for their efforts and hard work in organizing and running this event. I especially want to thank our 39 judges. A total number of 127 entries were received this year and without such a generous show of support from our faculty judging this number of entries would have been a monumental task. Likewise, a successful fund raising campaign allowed for cash prizes in each of the entry categories. We would like to thank the Provost Office for their support for the seventh year in a row. We would also like to thank our other sponsors: College of Architecture and Urban Studies, College of Liberal Arts and Human Sciences, and College of Engineering. Without the support of our sponsors we would not be able to put on such a high-caliber event.

I would also like to thank Roberto Mayorga and Monika Gibson of the Graduate School whose patience and support were invaluable to making this event a success. I also acknowledge help from Graduate Student Assembly Executive Board and Program Chairs: Joseph McFadden, Toni Stroter, Laura Freeman, Brandy Huderson, Sasha Marine, Fleur Gooden, Jonathan Moore, Haiyan Cheng, Ashish Ranjan, and Philip Zellner. Finally, I would like to thank Thomas Cunningham for reviewing this program. Thank you to everyone who helped make this year's symposium a success.

It has been a pleasure to serve as a chairperson of this year's Research Symposium

Natoshia Raishevich
Chair, 24nd Annual Research Symposium and Exposition of Virginia Tech

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24nd Annual Research Symposium Schedule

8:00-10.00am	Setup of Posters
10:00am	Symposium/Judging Begins
12:00-1:00pm	Lunch Served
3:00pm	Symposium/Judging Ends

Lecture Presentation Schedule

10:00-11:00am

Room D

Nipa Deora
Tara Willey
Amy Villamagna
Sarah Orlofske
Bassam Alfeeli

Room F

Rachel Tan
Adriana Barri
Carrie Walk
Adriana Barri
Christopher Ober

11:00am-12:00pm

Room D

Audrey J. Kemp
Paul Poenicke
Lisa Stoneman Updike
Weston Cutter
Manisha Sharma

Room F

Amanda M. Olejarski
Tamara Savelyeva
David Bieri
Keith Hollinger

12:00-1:00pm

Room D

Jaideep Chowdhury
Zhengzheng Pan
Dongryul Lee
Narkia Green
Meredith Katz

Room F

Ben Allen
Thomas Pardikes
Chad L. Stephens
Jennifer Wyse
Sara McDonough

1:00-2:00pm

Room D

Ken Stanton
Ashok Sinha
Ganesh Balasubramanian
Imran Akhtar
Gaurav S Chaudhari

Room F

Reza Montazami
Mehdi Nikkhah
Ya Wang
Ping Ren
Sam Raben

Lecture Submissions

1. Computational Study of Protonated Cyclic Ethers: How long is the C-O bond?

Nipa Deora, Paul R. Carlier, and Daniel Crawford

Chemistry

2. Benthic Macroinvertebrate Assemblages and Related Environmental Variables in a Stream Undergoing Restoration

K. Tara Willey and J. Reese Voshell Jr.

Entomology

3. An Ecosystem Approach to Aquatic Invasive Species Management: Water hyacinth (*Eichhornia crassipes*) and Lake Chapala, Mexico

Amy Villamagna and Brian Murphy

Fisheries and Wildlife Sciences

4. Moderate *Echinostoma trivolvis* infection has no effects on physiology and fitness related traits of larval Pickerel frogs (*Rana palustris*)

Sarah A. Orlofske, Lisa K. Belden, and William A. Hopkins

Fisheries and Wildlife Sciences

5. MEMS-Based Preconcentrator for Chemical Detection and Analysis

Bassam Alfeeli and Masoud Agah

Electrical and Computer Engineering

6. An equine model for human asthma: Measurement of pH and glutathione peroxidase activity in biological samples collected from horses affected by recurrent airway obstruction.

Rachel Tan, Craig Thatcher, Virginia Buechner-Maxwell, Undine Christmann, Mark Crisman, and Stephen Werre.

Large Animal Clinical Sciences, Veterinary Medicine

7. Embryonic incubation and post-hatch transportation affects intestinal nutrient transporter expression in broiler chicks.

A. Barri, E. Wong, R. Dalloul, M. Wineland, and A.P. McElroy

Agriculture

8. Effect of diet and phytase on broiler performance during a live coccidia vaccine

C. L. Walk, C. Wyatt, R. Upton, and A. P. McElroy

Animal and Poultry Science

9. Post-hatch organ development is affected by embryonic incubation temperatures and early post-hatch transportation in broiler chicks

A. Barri, M. Wineland, S. Martin, and A.P. McElroy

APSC

- 10. Comparison of Ultrasound, CT, and MRI in Detection of Acute Wooden Foreign Bodies in the Canine Manus**
Christopher P. Ober, Jeryl C. Jones, Martha Moon Larson, Otto I. Lanz, and Stephen R. Werre
- 11. Mobilizing for Action through Planning and Partnerships (MAPP): A quality of life and health needs assessment of New River Valley, Virginia**
Audrey J. Kemp
Learning Sciences and Technologies, Health Promotion
- 12. A Later Wittgensteinian Critique of the War On Terror**
Paul Poenicke
Philosophy
- 13. 'I am a work in progress': College freshmen use children's literature to consider their social justice perceptions**
Lisa Stoneman Updike
EDCI
- 14. White space as silence, static, and/or breath in poetry**
Weston Cutter
English
- 15. Themes in the Kite Runner**
Manisha Sharma
English
- 16. E[I]m[M]inent Domain: An Assumption of Academic Duty**
Amanda M. Olejarski
Public Administration and Affairs
- 17. What it takes to be "global" in academia: Conceptual modeling of a "global learning environment" in a university setting**
Tamara Savelyeva
School of Education
- 18. Booming Bohemia? Evidence from the U.S. high-technology industry**
David Bieri
School of Public and International Affairs
- 19. Trade Liberalization and the Environment: NAFTA's Impact in El Paso, Texas and Juarez, Mexico**
Keith Hollinger
CAUS-PGG
- 20. Managerial Myopia : A New Look**

Jaidep Chowdhury and Alexei Ovtchinnikov
Finance

21. Trust, Influence, and Convergence of Behavior in Social Networks: Analysis of A Theoretical Model and Simulation Outputs

Pan, Zhengzheng
Economics

22. Weakest-Link Contests with Group-specific Public Good Prizes

Dongryul Lee
Economics

23. Exploring the Experience of Race-related Stress and Marital Satisfaction among African American Married Couples

Narkia M. Green
Human Development-Marriage and Family Therapy

24. Superwoman: Women's Experience in Academia

Meredith Katz
Sociology

25. The Relationship Between Attention Impulsivity and Autonomic Arousal

Ben Allen
Psychology

26. Measuring the Relationship between Voluntary and Involuntary Action

Pardikes, Thomas
Psychology

27. Autonomic Specificity of Emotions: Support for the James-Lange Theory of Emotion

Chad L. Stephens, M.S.
Psychology

28. Teachers' Perceptions of the Construction of National Identity through Primary School Social Studies Curriculum in Malawi

Jennifer Wyse
Sociology

29. Assessing Shifting Racial Boundaries: Racial Classification of Biracial Asian Children in the 2000 Census

Sara M. McDonough
Sociology

30. Engineering Education - What Is It and What Are We Doing?

Ken Stanton

Engineering Education

31. Applications of Magnetic Microparticles in Microfluidics

Ashok Sinha

Engineering Science and Mechanics

32. Molecular Dynamics Investigation of Interfacial Heat Transfer at the Nanoscale

Ganesh Balasubramanian, Soumik Banerjee, and Ishwar K. Puri

Engineering Science and Mechanics

33. A Computational Study of Vortex Shedding: From Parallel Simulation to Low-Dimensional Modeling to Feedback Control

Imran Akhtar

ESM

34. Design of Lean Manufacturing Systems

Gaurav S. Chaudhari

Industrial and Systems Engineering

35. Encapsulated Electrochromic ISAM Devices based on two electrochromically active polymers

Reza Montazami, Vaibhav Jain, and R. Heflin

MSE, Physics

36. Distinctive Behavior of Fibroblast and Metastatic Cancer Cells in Three-Dimensional Silicon Microstructures

Mehdi Nikhah, Masoud Agah and Jeannine S. Strobl

Mechanical Engineering

37. Mobility and Geometrical Analysis of a Two Actuated Spoke Wheel Robot Modeled as a Mechanism with Variable Topology

Ya Wang, Ping Ren, and Dennis Hong

Mechanical Engineering

38. Three-Dimensional Kinematic Analysis of a Two Actuated Spoke Wheel Robot

Ping Ren, Ya Wang, and Dennis Hong

Mechanical Engineering

39. Development of Time-Resolved DPIV Measurements in a Transonic Turbine Cascade Using an Advanced Data Reconstruction Technique

Sam Raben, Dr. Wing F. Ng, Dr. Pavlos P. Vlachos

Mechanical Engineering

Poster Submissions

Advanced Undergraduate

39. Metabolite Concentrations in Periparturient Dairy Cattle

J. Bross, B. G. Cassell, A. G. Ruis, C. Umberger, and M. D. Hanigan
DASC

40. The Use of Vegetable Pigments as Indicators for Copper Contamination in Tap Water

Katherine Robbins and Susan Duncan
Food Science

41. Production and Quality Control Improvements in the Fabrication of Diamond-Like-Carbon Guides

David Richardson, Russell Mammei, Bruce Vogelaar, & Mark Pitt
Physics

42. Regulation of the Chicken Sodium Glucose Transporter 1 (SGLT1) Gene

Katherine Howell, Sarah Frazier, & Eric Wong
Biological Sciences and Animal and Poultry Sciences

Agriculture and Animal Sciences

43. Evaluation of hydrolyzed yeast products for effects on broiler performance

R. Van Wyhe, M. Bedford, and A.P. McElroy
APSC

44. Producing docosahexaenoic acid-rich algae from biodiesel derived-crude glycerol: effects of impurities on DHA production and algal biomass composition

Denver Pyle and Zhiyou Wen
Biological Systems Engineering

45. Induction of Neuronal Phenotype in Insect Cells

Lacey Jenson, Dave Klorig, and Jeff Bloomquist
Entomology

46. Trends in Parent Evaluations of 4-H Camp Outcomes

Sarah Baughman, Barry Garst, and Nick Fuhrman
Agriculture and Extension Education

47. How Farmers Learn: Improving Sustainable Agriculture Education.

Morgante-Richmeier, R., Franz, N., and Piercy, F.
Agriculture and Extension Education

48. Dietary Protein Composition Influences Expression of Intestinal Peptide Transporter, PepT1, mRNA in Two Lines of Broilers

Elizabeth R. Gilbert, Huifeng Li, Derek A. Emmerson, Kenneth E. Webb, Jr., and Eric A. Wong
Animal and Poultry Sciences

49. Humoral immune response to nematode parasite infection is accelerated and longer-lived in hair-type sheep.

S. A. Bowdridge, K. M. MacKinnon, J. McCann, A. M. Zajac, and D. R. Notter
Animal and Poultry Sciences

50. Intracellular drug targeting of Mycobacterium tuberculosis using nanoparticles as an antibiotic vehicle.

Eva Restis, Mohamed Seleem, and Nammalwar Sriranganathan
Biomedical Veterinary Sciences

51. Inhibitory effect of unsaturated fatty acids on de novo fatty acid synthesis in bovine mammary epithelial cells

Joseph W. McFadden, Isis K. Mullarky, and Benjamin A. Corl
Dairy Science

52. Summer temporal survey of brown marmorated stink bug (*Halyomorpha halys*, Heteroptera: Pentatomidae) host plants in Beijing, China.

A.L. Koppel, K.A. Hoelmer, L. Zhang, D.A. Herbert, Jr., and T.P. Kuhar
Entomology

53. Differential Bivalence Dependent Potency of Anticholinesterases as a Model for the Molecular Design of Selective Insecticides

James Mutunga, Troy Anderson, and Jeffrey Bloomquist
Entomology

54. Distribution of Steroidal Glycoalkaloids in a Hybrid Population of *Solanum chacoense* Bitter

Mweetwa, A.M., R. Poe, R.E., Veilleux and J.G. Tokuhisa
Horticulture

55. Chronic Bioluminescence Salmonella for Targeted Drug Delivery Using Antimicrobial Loaded Polymeric Nanoplexes

Ranjan A., Seleem M., Jain N., Sriranganathan N., Pothayee N., Riffle, J., and Kasimanickam R.
Large Animal Clinical Science

56. Determination of Prion Protein Expression in Bovine Tissues

Oscar A. Peralta and Willard H. Eyestone
Large Animal Clinical Science

Arts, Architecture and Urban Studies

57. Rise Tectonic Machines! The Restoration of Intimacy and Delight in the Act of Building

Marcus Lloyd-Shaffer

Architecture

58. Women as a user group in Public Spaces

Sruthi Atmakur

Landscape Architecture

59. Design as Scholarship in Architectural Endeavors

Hooman Koliji

Architecture and Design Research

60. Olmsted's Central Park: A Landscape of Assimilation

Christine Calorusso

Environmental Design and Planning

Engineering

61. Biofuels: Solution for Nutrient Management in the Shenandoah Valley

Ryan Tarrant, Foster Agblevor, and Sedat Beis

Biological Systems Engineering

62. Influence of Bedding Material on the Pyrolysis of Poultry Manure

Ofei D. Mante and Foster A. Agblevor

Biological Systems Engineering

63. Vibration Characteristics of functionally graded cylindrical shells by using First order shear deformation shell theory

S H Arshad and M N Naeem

Engineering Science and Mechanics

64. Current Studies in Kaizen Event Performance and Sustainability

Wiljeana Jackson Glover, Jennifer Farris, Eileen Van Aken, Toni Doolen, June Worley, Susan Hunter, Yueqin Zhao, and Konstantinos P. Triantis

Industrial and Systems Engineering

65. Evaluating a Constructed Floodplain Wetland for Nutrient Removal Efficiencies

Andrea Ludwig, W. Cully Hession, and Jim Lawrence

Biological Systems Engineering

66. Plasticization Regimes in Biopolymers

Ahmad Athamneh and Justin Barone

Biological Systems Engineering

67. Hydraulic Complexity Metrics for Evaluating In-stream Brook Trout Habitat

Jessica L. Kozarek, W. C. Hession, C. A. Dolloff, P. Diplas

Biological Systems Engineering

68. Measuring Stream Topography with Terrestrial Lidar for Fluvial Applications

Jonathan P. Resop and W. Cully Hession

Biological Systems Engineering

69. Boundary stress along vegetated streambanks

Leslie A. Clark and Theresa M. Wynn

Biological Systems Engineering

70. Using n-Hexanal as an Odor Reference Standard to Evaluate Drinking Water

Pinar Omur-Ozbek and Andrea M. Dietrich

Civil and Environmental Engineering

71. Simultaneous removal of DBPs and odorants by UV/H₂O₂ process

Chang-Hyun Jo, Andrea M. Dietrich, and James M. Tanko

Civil and Environmental Engineering

**72. Optimizing Large Scale Chemical Transport Models for Multicore Platforms:
PlayStation vs. Xeon**

John C. Linford and Adrian Sandu

Computer Science

73. Augmenting Fine-Grained Coordination of Knowledge Creation and Sharing

Matthew Schaefer

Computer Science

74. Supporting I/O-Intensive Workloads on the Cell Architecture

M. Mustafa Rafique, Ali R. Butt, and Dimitrios S. Nikolopoulos

Computer Science

75. Camaraderie Carried through the Mediated Space

Szu-Chia Lu, Steve Harrison

Computer Science

**76. Tapping Mode Atomic Force Microscopy: Basins of Attraction and Energy
Dissipation**

Nastaran Hashemi and Mark Paul

Mechanical Engineering

**77. Accelerating Particle Interference Velocitometry algorithms for biomedical
applications on System X**

*Vivek Venugopal, Kevin Shinpaugh, Mehmet Belgin, Pavlos Vlachos, Adric Eckstein,
John Charonko
Electrical & Computer Engineering*

78. MEMS-Based Preconcentrator for Chemical Detection and Analysis

*Bassam Alfeeli and Masoud Agah
Electrical and Computer Engineering*

79. Design, Modeling and Fabrication of MEMS-Based Multicapillary Gas Chromatography Columns

*Mohammad A. Zareian-Jahromi, Masoud Agah
Electrical Engineering*

80. Inverse Simulation of Aircraft Maneuvers and Motion Trajectories

*Osama A. Marzouk
Engineering Science and Mechanics*

81. GenoCAD: a formal language tool to quickly design and verify synthetic genetic constructs

*Yizhi Cai, Jean Peccoud
GBCB, Virginia Bioinformatics Institute*

82. Developing empirically valid digital driver models: Drivers' postural strategies to interact with automobiles

*Gyouhyung Kyung and Maury A. Nussbaum
Industrial & Systems Engineering*

83. Development of Three-Dimensional Silicon Microenvironments For Anticancer Drugs Testing

*Mehdi Nikhah, Jeannine S. Strobl and Masoud Agah
Mechanical Engineering*

84. Orthogonal Eigenstructure Control as a Novel Control Method for Linear Systems

*Mohammad Rastgaar Aagaah, Mehdi Ahmadian, and Steve C. Southward
Mechanical Engineering*

85. Class 8 truck cab suspension using Magneto-Rheological dampers and semiactive control.

*Florin Marcu
Mechanical Engineering*

86. A Time Resolved DPIV in-vitro evaluation of coronary stents in realistic conditions: The influence of stent design and configuration

*John Charonko, Satya Karri, Jaime Schmieg, Santosh Prabhu, Pavlos Vlachos
School of Biomedical Engineering and Sciences*

87. An Ordered Categorical CUSUM Procedure: A Case Study

Denisa Olteanu, Jim Garret, Becton Dickinson, and Geoff Vining
Statistics

Natural, Physical, and Biological Sciences

88. Stress in prothonotary warblers (*Protonotaria citrea*) in response to breeding stage and food availability

J.R. Moore, J.R. Walters, and I.T. Moore
Biological Sciences

89. Combating Lyme Disease in Virginia

Jobriath S. Kauffman
Agriculture and Applied Economics

90. Gentamicin Loaded Polymeric Nanoplexes for targeting Brucella infection

Jain N., Pothayee N., Ranjan A., Seleem M., Riffle J., and Sriranganathan N.
Department of Biomedical Sciences and Pathobiology

91. Increased Survival of the Endangered Freshwater Oyster Mussel, *Epioblasma capsaeformis* (I. LEA, 1834), Following Feeding With Bacterial Floccs

Meghann E. Vincie, Steven R. Craig, Ewen McLean, and Richard J. Neves
Fisheries and Wildlife Sciences

92. Evaluating GIS Slope Models for Estimating Field Measured Slope Values

W. Aaron Pratt
Forestry

93. Assessment of genetic variation in *Liriodendron tulipifera* populations in unmanaged forests of the Southeastern United States.

Katherine E. Kovach, Shepard M. Zedaker, M. Javed Iqbal, E.M. Ulrika Egertsdotter
Forestry

94. A novel SNaPshot assay to detect the mdx mutation

Sarah A. Budowle, Suzanne Gonzalez, Arthur Eisenberg, Bruce Budowle, Robert Grange
HNFE

95. Investigation of the role of IRAK-1 in allergic lung inflammation in a mouse model of asthma due to sensitization to the ubiquitous fungus, *Alternaria alternata*

Cronin, Amanda Li, Liwu and Lawrence, Christopher
Biological Sciences

96. The novel *Alternaria brassicicola* endoplasmic reticulum membrane protein, ATM1 is a plant pathogenicity factor

Kwang-Hyung Kim, Robert A. Cramer Jr., Yangrae Cho, and Christopher B. Lawrence
Biological Sciences

- 97. Determinants and Consequences of Social Rank in Juvenile Red-cockaded Woodpeckers (*Picoides borealis*)**
Erin L. Hewett and Dr. Jeffrey R. Walters
Biological Sciences
- 98. Theoretical modeling of the microtubule assembly process**
Zhanghan Wu, Vandana Sreedharan, Hongwei Wang, Eva Nogales, and Jianhua Xing
Biological Sciences/ GBCB
- 99. The design and synthesis of anti-malarial peptidic borinic acid inhibitors for Falcilysin**
Michael T. Perfetti and Webster Santos
Chemistry
- 100. Reduced point charge approximation for speeding up the computation of electrostatic potential in biomolecular systems**
Ramu Anandakrishnan Alexey Onufriev
Computer Science
- 101. Application of random genetic drift theory to explain mitochondrial DNA inheritance**
Passorn Wonnapijit and David C. Samuels
Genetics, Bioinformatics and Computational Biology
- 102. Effect of carbohydrate source on soccer performance and metabolic stress**
E.L. Abbey, M.A. and J.W. Rankin
Human Nutrition, Foods, and Exercise
- 103. Breast cancer has differential effects on skeletal muscle function in the presence and absence of the dystrophin glycoprotein complex**
Mary Pat Meaney, Kevin A. Voelker, Robert W. Grange and Young H. Ju
Human Nutrition, Foods, and Exercise
- 104. Polyelectrolyte complex formation between cellulose nanocrystals and chitosan**
Hezhong Wang and Maren Roman
Wood Science and Forest Products
- 105. Changes in protein Ionization state upon ligand docking: a clue to improve drug design?**
Boris Aguilar, Ramu Anandakrishnan, Jory Z. Ruscio, and Alexey Onufriev
- 106. Modified Poly(Arylene Ether Sulfone)s: Tough, Chemically Resistant, Transparent, and Colorless Segmented Block Copolymers**
LaShonda Cureton and Richard Turner
Chemistry

107. Experimental and theoretical studies of gas/organic-surface scattering dynamics: dependence on mass, collision energy, rovibrational state, and stereodynamics

William A. Alexander, John R. Morris, Diego Troya
Chemistry

Social Sciences and Humanities

108. Indian English

Manisha Sharma
English

109. The Necrogeography of Melungeon Cemeteries in Central Appalachia

Sherry Tejada
Geography

110. Peer Difficulties in Children with Anxiety Disorders, Externalizing Disorders, and Comorbid Conditions

Benoit, K. E., Wolff, J. C., Costa, N. M., and Ollendick, T. H.
Psychology

111. Identifying Psychosocial Variables Related to Child and Adolescent Adjustment Following a Residential Fire: The Role of Appraisal, Coping, and Family Environment

Moore, Rachel M., Jones, Russell T., and Ollendick, Tom H.
Psychology

112. Helping Intermediate Spanish College Students Become More Proficient at Writing in a Foreign Language: The Case of Peer Feedback

Laura Levi Altstaedter
Second Language Education Program

115. On the Road Again: A Look at Frequent Relocation, Family Connection and the Transition to College

Jessica A. Lloyd, Cynthia Horkey, Kathleen R. Parrott
AHRM

116. The influence of consumers' experiences and brand attitude on consumer's perceived risk and purchase intention in apparel online shopping context

Siwon Cho
AHRM

117. The Relationships Among Maternal Overcontrol, Maternal Anxiety, and Child-Reported Anxiety

Krystal M. Lewis, Matthew A. Jarrett, Natalie M. Costa, and Thomas H. Ollendick

Clinical Psychology

118. Gains or Gaps: Can Online Education Provide Help for Student-Athletes?

Learning Sciences & Technologies

Sigrid Kreb

119. Parents, educators and the financial literacy of young adults

Bryce Jorgensen

Human Development

120. Infant & Child Temperament Correlates of Social Responsiveness at Age 4

Brenda Salley, Angela Scarpa, Katherine C. Morasch and Martha Ann Bell

Psychology

121. The Relationship between Parenting Practices and Reactive Aggression in Children: Emotion Regulation as a Mediator

Akiho Tanaka, Amanda Nizam, and Angela Scarpa

Psychology

122. Differences in Autonomic Reactivity of High and Low Trait Worry Women

Michael M. Knepp and Bruce H. Friedman

Psychology

123. Where does affect fit into Social Cognitive Theory? A model of behavioral decision-making related to physical activity participation.

Elizabeth J. Johnson, Ashley E. Dorrough, Eileen S. Anderson, Richard A. Winett, and Emily C. Martin

Psychology

124. Comparison of Participatively-set and Assigned Goals in the Context of Alcohol Use

Brian E. Lozano, Nathaniel Van Kirk, and Robert S. Stephens

Psychology

125. Assessment of marijuana problems: Factor structure, reliability, and validity of the Marijuana Problem Scale in two samples of marijuana users

Brian E. Lozano, Stephanie A. Fearer, Robert S. Stephens, and Roger A. Roffman

Psychology

126. VT-PREP: A Successful Training Initiative for Increasing Diversity in Advanced Degree Programs

Rolanda Findlay, Lee Cooper, and Ed Smith

Psychology

127. Making Healthcare Safer with Organizational Behavior Management

Thomas R. Cunningham

Psychology

128. Web 2.0 and the 21st Century Student: 2nd Annual Digital Media Sandbox Consortium Call for Academic Podcasts

Ben Capozzi