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Robotics: Science And Systems 2020 Corvallis, Oregon, USA, July 12-16, 2020 1 Heterogeneous Graph Attention Networks For Scalable Multi-Robot Scheduling With Temporospatial Constraints Zheyuan Wang And Matthew Gombolay Georgia Institute Of Technology Atlanta, GA 30332, USA Email: Pjohnwang@gatech.edu, Matthew.gombolay@cc.gatech.edu Abstract—Robot Teams Are Increasingly Being Deployed In ... 19th, 2021

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Predicting The Occurrence, Distribution, And Evolution Of Methane Gas Hydrate In Porous Marine Sediments Wenyue Xu And Carolyn Ruppel School Of Earth And Atmospheric Sciences, Georgia Institute Of Technology, Atlanta Abstract. Using A New Analytical Formulation, We Solve The Coupled Momentum, Mass, And Energy Equations That Govern The Evolution And Accumulation Of Methane Gas Hydrate In Marine ... 9th, 2021

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Medical Informatics Lab Oratory College Of Computing Georgia Institute Of T Ec Hnology 400 T En Th St. NW, A Tlan Ta, GA 30332-0130 Email : Nezquerr@cc.gatec H.edu Abstract The O V Erall Ob Jectiv ... 15th, 2021

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GOTECH: Aspectizing Server-Side Distribution (a Demonstration Proposal) Eli Tilevich Stephan Urbanski Yannis Smaragdakis College Of Computing, Georgia Institute Of Technology Atlanta, GA 30332 {tilevich, Stephan, Yannis}@cc.gatech.edu Abstract This Demonstration Will Present The GOTECH (General Object To EJB Conversion Helper) Framework. GOTECH Can Be Used With A Large Class Of Unaware ... 23th, 2021

### **Institute Lecture - litk.ac.in**

Ajeet Rohatgi Regent's Professor Georgia Institute Of Technology, Atlanta, USA Monday, 27th December, 2010; Time: 5:00 PM, Venue: L-17, New Lecture Hall Complex Abstract Crystalline Silicon Has Been The Workhorse Of The PV Industry From Its

Inception In The Mid 1950's And Is Primarily Responsible For Its Spectacular Growth And Cost Reduction Since 1975. Silicon (Si) PV Is Currently Facing ... 13th, 2021

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Recent Developments And Applications In Geotechnical Field Investigations For Deep Foundations Mayne, P.W.(1) And Niazi, F.S.(2) (1) Georgia Institute Of Technology, Atlanta, Georgia, USA <paul.mayne@ce.gatech.edu> (2) Indiana University - Purdue University, Fort Wayne, Indiana, USA <niazif@ipfw.edu> ABSTRACT.For Routine Site Investigations, The Use Of Hybrid Tools Such As The Seismic 15th, 2021

### **DEPARTMENT OF DEFENSE ECOSYSTEM MANAGEMENT POLICY EVALUATION**

AEPI-IFP-0802F Army Environmental Policy Institute. The Views Expressed In This Paper Are Those Of The Authors And Do Not Necessarily Reflect The Official Policy Or Position Of The U.S. Government, The Department Of Defense, Or Any Of Its Agencies. Army Environmental Policy Institute 101 Marietta Street, Suite 3120 Atlanta, Georgia 30303-2711. Iii ABSTRACT DoD Announced The Implementation Of ... 9th, 2021

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Variational Reasoning For Question Answering With Knowledge Graph Yuyu Zhang 11, Hanjun Dai 2, Zornitsa Kozareva , Alexander J. Smola2, And Le Song 1College Of Computing, Georgia Institute Of Technology 2Amazon Web Services 1fyuyu.zhang, Hanjun.dai, Lsongg@cc.gatech.edu 2fkozareva, Smolag@amazon.com Abstract Knowledge Graph (KG) Is Known To Be Helpful For The Task Of Question Answering (QA), Since 13th, 2021

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API RP 581 Risk-Based Inspection Methodology - Documenting And Demonstrating The Thinning Probability Of Failure Calculations, Third Edition (Revised) L. C. Kaley, P.E. Trinity Bridge, LLC Savannah, Georgia USA November, 2014 ABSTRACT A Joint Industry Project For Risk-Based Inspection (API RBI JIP) For The Refining And Petrochemical Industry Was Initiated By The American Petroleum Institute ... 16th, 2021

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Measuring System Performance & User Satisfaction After Implementation Of ERP Imran Batada Institute Of Business

Administration, Karachi, Pakistan Imran.batada@khi.iba.edu.pk. Asmita Rahman University Of Georgia, Athens, GA, USA : Asmitab@uga.edu : Abstract : Now A Day ERP Systems Are Being Adopted By Various Organizations As Part Of Their Business Growth Strategies. However, One Must Realize . 8th, 2021

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The Nature Of Creativity Robert J. Sternberg Tufts University ABSTRACT: Like E. Paul Torrance, My Colleagues And I Have Tried To Understand The Nature Of Creativity, To Assess It, And To Improve Instruction By Teaching For Creativity As Well As Teaching Students To Think Creatively. This Article Reviews Our Investment Theory Of Creativity, Propulsion Theory Of Creative Contributions, And ... 27th, 2021

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Understanding The Role Of Community In Online Dating Christina Masden And W. Keith Edwards Gvu Center And School Of Interactive Computing Georgia Institute Of Technology Atlanta, GA USA {christinamasden, Keith}@cc.gatech.edu ABSTRACT Online Dating Sites Have Become A Common Means Of Finding A Romantic Partner. And Yet, These Sites Differ Greatly From Many Other Socially Oriented Websites ... 15th, 2021

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Quantifying The Anthropogenic Dust Emission From Agricultural Land Use And Desiccation Of The Aral Sea In Central Asia Xin Xi<sup>1,2</sup> And Irina N. Sokolik<sup>1</sup> <sup>1</sup>School Of Earth And Atmospheric Sciences, Georgia Institute Of Technology, Atlanta, Georgia, USA, <sup>2</sup>Now At Earth Science Division, NASA Ames Research Center, Moffett Field, California, USA Abstract A Regional Dust Model System Is Applied To ... 21th, 2021

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Learning Loss For Knowledge Distillation With Conditional Adversarial Networks Zheng Xu University Of Maryland College Park Yen-Chang Hsu Georgia Institute Of Technology Atlanta Jiawei Huang Honda Research Institute Mountain View Abstract There Is An Increasing Interest On Accelerating Neural Networks For Real-time Applications. We Study The Student-teacher Strategy, In Which A Small And Fast ... 23th, 2021

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Narrative Planning: Balancing Plot And Character Mark O. Riedl Riedl@cc.gatech.edu School Of Interactive Computing Georgia Institute Of Technology Atlanta, GA 30332 USA R. Michael Young Young@csc.ncsu.edu Department Of Computer Science North Carolina State University Raleigh, NC 27695 USA Abstract Narrative, And In Particular Storytelling, Is An Important Part Of The Human Experience ... 10th, 2021

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Functional Programming In C++ Brian McNamara And Yannis Smaragdakis College Of Computing Georgia Institute Of Technology Atlanta, GA 30332 {lorgon, Yannis}@cc.gatech.edu ABSTRACT This Paper Describes FC++: A Rich Library Supporting Functional Programming In C++. Prior Approaches To Encoding Higher Order Functions In C++ Have Suffered With Respect To Polymorphic Func-tions From Either Lack Of ... 15th, 2021

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Artificial Intelligence In Clothing Fashion Haosha Wang<sup>1</sup> And Khaled Rasheed<sup>2</sup> Institute For Artificial Intelligence The University Of Georgia Athens, GA, U.S.A. 30602 1 Hswang@uga.edu 2 Khaled@cs.uga.edu Abstract “Clothes Make The Man,” Said Mark Twain. This Article Presents A Survey Of The Literature On Artificial Intelligence Applications To Clothing Fashion. An AI-based Stylist Model Is ... 9th, 2021

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Fire In The Belly? Employee Motives And Innovative Performance In Startups Versus Established Firms Henry Sauermann Georgia Institute Of Technology Scheller College Of Business Henry.sauermann@scheller.gatech.edu June, 2013 ABSTRACT Scholars Have Long Sought To Understand The Advantages Different Types Of Firms May Have In Generating Innovation. A Popular Notion Is That Startup Companies Are ... 11th, 2021

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A Structured Approach To Simulation Modeling Of Manufacturing Systems Douglas A. Bodner And Leon F. McGinnis Keck Virtual Factory Lab · School Of Industrial And Systems Engineering Georgia Institute Of Technology Atlanta, Georgia 30332-0205, U.S.A. Abstract Simulation Is A Powerful Tool To Analyze Manufacturing Systems For Purposes Of Design And On-going Operation. In Recent Years, Simulation ... 11th, 2021

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Characterizing The Effects Of Rapid LTE Deployment: A Data-Driven Analysis Kareem Abdullah , Noha Korany , Ayman Khalafallah , Ahmed Saeed†, Ayman Gaber‡ Alexandria University,†Georgia Institute Of Technology ‡Vodafone Egypt  
Abstract—The Deployment Of LTE, While Old News To Developed Countries, Is Ongoing In Developing Countries With Some Starting 19th, 2021

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Interactive Narrative: An Intelligent Systems Approach Mark O. Riedl<sup>1</sup> And Vadim Bulitko<sup>2</sup> <sup>1</sup>School Of Interactive Computing, Georgia Institute Of Technology <sup>2</sup>Department Of Computing Science, University Of Alberta Abstract Interactive Narrative Is A Form Of Digital Interactive Experience In Which Users Create Or In Uence A Dramatic Storyline Through Their Actions. The Goal Of An Interactive ... 9th, 2021

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Abstract. The Proposition Of Using Design Optimization To ... 9th, 2021

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Redundancy And Usability David Ringholz, IDSA, Assistant Professor Georgia Institute Of Technology Abstract: From Norman's Psychology Of Everyday Things First Published In 1988, To The Principles Of Universal Design In 1997, Experts In Psychology, Engin Eering, And Design Have Worked To Establish Guidelines For Usability. 10th, 2021

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DESIGN PRINCIPLES: THE FOUNDATION OF DESIGN Katherine K. Fu Georgia Institute Of Technology Atlanta, GA, USA Maria C. Yang Massachusetts Institute Of Technology Cambridge, MA, USA Kristin L. Wood Singapore University Of Technology And Design Singapore, Republic Of Singapore ABSTRACT Design Principles Are Created To Codify And Formalize Design Knowledge So That Innovative, Archival Practices ... 21th, 2021

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MOR: Monitoring And Measurements Through The Onion Router Demetris Antoniadis<sup>1</sup>, Evangelos P. Markatos<sup>1</sup>, And Constantine Dovrolis<sup>2</sup> <sup>1</sup> Institute Of Computer Science Foundation For Research & Technology Hellas Fdanton,markatosg@ics.forth.gr <sup>2</sup> College Of Computing, Georgia Institute Of Technology Fdovrolisg@cc.gatech.edu Abstract. A Free And Easy To Use Distributed Monitoring And Measurement Plat- 18th, 2021

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Model Predictive Control Nolan Wagener, #Ching-An Cheng, Jacob Sacks,yand Byron Boots Georgia Institute Of Technology {nolan.wagener, Cacheng, Jsacks}@gatech.edu, Bboots@cc.gatech.edu Abstract—Model Predictive Control (MPC) Is A Powerful Tech-nique For Solving Dynamic Control Tasks. In This Paper, We Show That There Exists A Close Connection Between MPC And Online Learning, An Abstract ... 22th, 2021

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In Data Envelopment Analysis SYLVAIN BOUHNİK, BOAZ GOLANY AND URY PASSY Faculty Of Industrial Engineering And Management, Technion—Israel Institute Of Technology, Haifa 32000, Israel STEVEN T. HACKMAN School Of Industrial And Systems Engineering, Georgia Institute Of Technology, Atlanta, GA 30332, USA DIMITRA A. VLATSA Experian Inc., Atlanta, GA, USA Abstract We Propose An Extension To The ... 4th, 2021

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\*Departments Of Ophthalmology And Neuroscience, The Wilmer Eye Institute, Johns Hopkins University School Of Medicine, Baltimore, Maryland, USA †Alimera Sciences, 6120 Windward Parkway, Alpharetta, Georgia, USA Abstract Metipranolol Is A B-adrenergic Receptor Antagonist That Is Given Orally For The Treatment Of Hypertension And Also Applied Topically To The Cornea For Treating Glaucoma. It ... 11th, 2021

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Precision LCVD System Design With Real Time Process Control Daniel L. Jean, Chad E. Duty, Brian T. Fuhrman, And W. Jack Lackey Rapid Prototyping And Manufacturing Institute WoodruffSchool OfMechanical Engineering Georgia Institute OfTechnology Atlanta, GA 30332 Abstract A Laser Chemical Vapor Deposition (LCVD) System Was Designed Using A Fixed 100 Watt CO<sub>2</sub> Laser Focused On A Moveable Substrate ... 15th, 2021

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CONCURRENT ENGINEERING: Research And Applications A Modular Decision-centric Approach For Reusable Design Processes Jitesh H. Panchal, Marco Gero Ferná'ndez, Christiaan J. J. Paredis, Janet K. Allen And Farrokh Mistree\* Systems Realization Laboratory, Woodruff School Of Mechanical Engineering Georgia Institute Of Technology, Atlanta, GA 31322, USA Abstract: The Reusability Of Design Processes ... 24th, 2021

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Devdutt Patnaik, Ashish Bijlani College Of Computing, Georgia Institute Of Technology Atlanta, GA, USA {devdutt.patnaik, Abijlani3}@gatech.edu Vishal K Singh NEC Labs Princeton, NJ, USA Vs2140@columbia.edu Abstract—Virtualization Technology Is Popular Today For Hosting Internet And Cloud-based Compute Services. Recently, The IP Communications Domain Has Seen The Adoption Of Virtualization ... 1th, 2021

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Douglass Davis, T.Y Jiang, William Ribarsky, And Nickolas Faust Graphics, Visualization, And Usability Center Georgia Institute Of Technology {dougd, jiangf, Ribarsky}@cc.gatech.edu, Nick.f Faust@gtri.gatech.edu Abstract This Paper Considers How Out-of-core Visualization Applies To Terrain Datasets, Which Are Among The Largest Now Presented For Interactive

Visualization And Can Range To Sizes Of ... 6th, 2021

### **Designing For Socially Interactive Systems**

Designing For Socially Interactive Systems Duri Long, Mikhail Jacob, Nicholas Davis, Brian Magerko Georgia Institute Of Technology Atlanta, Georgia, USA {duri, Mikhail.jacob, Ndavis35, Magerko}@gatech.edu ABSTRACT This Paper Reports On The Design And Evaluation Of LuminAI, A Socially Interactive Art Installation In Which Participants Can Engage In Collaborative Movement Improvisation With ... 13th, 2021

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INSTRUCTIONAL EVENTS AND COMPREHENSION: GENERALIZATION ACROSS PASSAGES Ellen D. Gagné And David Memorya Institute For Behavioral Research University Of Georgia Abstract. Sixth Graders Read One Of Sixteen Randomly Selected Cause-effect Passages After Receiving One Of Six Communications From An Adult: (1) Read Carefully, (2) Try To Form An Image Of The Material Being Read, (3) Read For A ... 8th, 2021

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Query Optimization Using Column Statistics In Hive Anja Gruenheid Georgia Institute Of Technology Agruenhe@cc.gatech.edu Edward Omiecinski Georgia Institute Of Technology Edwardo@cc.gatech.edu Leo Mark Georgia Institute Of Technology Leomark@cc.gatech.edu ABSTRACT Hive Is A Data Warehousing Solution On Top Of The Hadoop MapReduce Framework That Has Been Designed To Handle Large Amounts Of Data ... 2th, 2021

### **An Empirical Study Of Cognition And Theatrical Improvisation**

Improvisation Brian Magerko, Waleed Manzoul, Mark Riedl, Allan Baumer, Daniel Fuller, Kurt Luther, And Celia Pearce Adaptive Digital Media Lab Georgia Institute Of Technology 686 Cherry St. Atlanta, GA 30332-0165 {magerko, W.manzoul, Riedl, Abaumer3, Dfuller3, Luther, Celia.pearce}@gatech.edu ABSTRACT This Paper Presents Preliminary Findings From Our Empirical Study Of The Cognition Employed ... 9th, 2021

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Evaluating Classroom Practices Using Qualitative Research Methods: Defining And Refining The Process Barbara Burks Fasse & Janet L. Kolodner College Of Computing, Georgia Institute Of Technology, Atlanta, GA 30332-0280 Tel: 404-894-3285, Fax:



404-894-5041 Email: {bfasse, jlk}@cc.gatech.edu Abstract: We Describe The Evolution Of Qualitative Research Practices Across Several Years Of Field ... 10th, 2021

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To Achieve Bare-Metal Performance Tuning ... 1 State Key Laboratory Of Computer Architecture, Institute Of Computing Technology, Chinese Academy Of Sciences 2 University Of Chinese Academy Of Sciences 3 Georgia Institute Of Technology {zhangxiuxia,tgm,xueshuangbai,cmy}@ict.ac.cn Jiajiali@gatech.edu Zhoukeren@ncic.ac.cn Abstract In This Paper, We Present A Methodology To Understand GPU ... 8th, 2021

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Cell Phone Puppets: Turning Mobile Phones Into Performing Objects Michael Nitsche And Sanjeev Nayak Georgia Institute Of Technology/ Digital Media 85 Fifth Str. NW TSRB Atlanta, GA 30332-0165, USA {michael.nitsche,snayak8}@gatech.edu Abstract. We Introduce Puppettime, A Digital Puppetry Project That Uses Mobile Phones As Interfaces To Control Virtual Puppetry Via Motion Gestures. The Goal Of ... 2th, 2021

### **Canonical Image Selection From The Web**

Canonical Image Selection From The Web Yushi Jing<sup>1,2</sup> Yjing@cc.gatech.edu Shumeet Baluja<sup>2</sup> Shumeet@google.com Henry Rowley<sup>2</sup> Har@google.com College Of Computing 1 Google Inc.<sup>2</sup> Georgia Institute Of Technology 1600 Amphitheater Parkway Atlanta, GA Mountain View, CA ABSTRACT The Vast Majority Of The Features Used In Today's Commercially Deployed Image Search Systems Employ Techniques That Are ... 16th, 2021

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EMPIRICAL STUDIES OF THE ARTS, Vol. 26(2) 197-218, 2008 THE PERCEPTION AND EVALUATION OF VISUAL ART HENRIK HAGTVEDT University Of Georgia, Athens REIDAR HAGTVEDT Georgia Institute Of Technology, Atlanta VANESSA M. PATRICK University Of Georgia, Athens ABSTRACT Visual Art Is A Complex Stimulus. Drawing On Extant Theory That The Interplay Of Affect And Cognition Evoked By A Stimulus Drives ... 10th, 2021

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Discriminative Embeddings Of Latent Variable Models For Structured Data Hanjun Dai, Bo Dai, Le Song College Of

Computing, Georgia Institute Of Technology Fhanjundai, Bodaig@gatech.edu, Lsong@cc.gatech.edu Abstract Kernel Classifiers And Regressors Designed For Structured Data, Such As Sequences, Trees And Graphs, Have Significantly Advanced A Number Of Interdisciplinary Areas Such As ... 1th, 2021

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Conference On Syst Eds.: C.J.J. Paredis, C. Bishop, D. Bodner, Georgia Institute Of Technology, Atlanta, GA, March 19-22, 2013. Applying Systems Engineering To Survey Research Clement Smartta\*, Susan Ferreira AThe University Of Texas At Arlington, Arlington, Systems Engineering Research Center, 500 W. First Street, Arlington, Texas 76019, USA Abstract As Systems Engineering Research Matures ... 3th, 2021

### **Income, Race, And Class: Exploring Socioeconomic ...**

Income, Race, And Class: Exploring Socioeconomic Differences In Family Technology Use Sarita Yardi, Amy Bruckman School Of Interactive Computing Georgia Institute Of Technology {yardi,asb}@cc.gatech.edu ABSTRACT Minorities Are The Fastest Growing Demographic In The U.S. And The Poverty Level In The U.S. Is The Highest It Has Been In 50 Years. We Interviewed Middle To Upper Class, Suburban ... 19th, 2021

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