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Mihai’s Work in Computational Geometry
Mihai’s Work in Computational Geometry Timothy Chan School of CS U of Waterloo Talk Outline 1 Point Location [C&P, FOCS'06] 2 Mihai’s Approach • One final idea: for predecessor search on a list, there is a data structure (based on vEB tree+fusion tree) which
INSIDE CS - University Of Maryland
for Bioinformatics and Computational Biology located in UMIACS During his free time Mihai enjoys sailing, woodworking, and spending time with his wife Marina and six-month old son, Sebastien We are delighted to have him as a member of our department INSIDE CS 2006 Department of Computer Science
Computational Geometry through the Information Lens Mihai ...
Computational Geometry through the Information Lens by Mihai Pdtracu Submitted to the Department of My work in theoretical computer science started with Erik's willingness to trust and guide a freshman with great dreams, but no real idea of what this research field meant Throughout the years, Erik's understanding and tolerance
A COUPLED THERMOREFLECTANCE THERMOGRAPHY ...
Peter E Raad, Pavel L Komarov, and Mihai G Burzo Nanoscale Electro-Thermal Sciences Laboratory Department of Mechanical Engineering Southern Methodist University Dallas, TX 75275-0337, USA ABSTRACT This work builds on the previous introduction [1] of a coupled experimental-computational system devised to
A Computational Framework for Uncertainty Quantification ...
1 A Computational Framework for Uncertainty Quantification and Stochastic Optimization in Unit Commitment with Wind Power Generation Emil M

Constantinescu, Victor M Zavala,

A Computational understanding of visual interestingness ...

A Computational understanding of visual interestingness beyond semantics: literature survey and analysis of covariates Mihai Gabriel Constantin1, University Politehnica of Bucharest, Romania Miriam Redi1, King's College London, United Kingdom Gloria Zen1, University of Trento, Italy Bogdan Ionescu, University Politehnica of Bucharest, Romania

DEPARTMENT OF COMPUTATIONAL PHYSICS AND ...

IFIN-HH's contribution to advanced scientific computing infrastructure Mihnea Dulea, Dragoş Ciobanu-Zabet, Mihai Ciubăncan, and Ionuţ Vasile Department of Computational Physics and Information Technologies, Horia Hulubei National Institute for Physics and Nuclear Engineering (IFIN-HH), 30 Reactorului Str, Bucharest-Magurele, Romania

A Computational Framework for Uncertainty Quantification ...

A Computational Framework for Uncertainty Quantification and Stochastic Optimization in Unit Commitment with Wind Power Generation Emil M Constantinescu, Victor M Zavala, Matthew Rocklin, Sangmin Lee, and Mihai Anitescu Abstract—We present a computational framework for integrat-ing a state-of-the-art numerical weather prediction (NWP) model

Experimental and Computational Investigations of High ...

Experimental and Computational Investigations of High-Density Asphalt Mixtures 5 Report Date October 2019 6 7 Author(s) 8 Performing Organization Report No Mihai Marasteanu, Jia-Liang Le, Kimberly Hill, Tianhao Yan, Teng Man, Mugurel Turos, Manik Barman, Uma Maheswar Arepalli, Jared Munch 9 Performing Organization Name and Address 10

Transdichotomous Results in Computational Geometry, I ...

more background by briefly reviewing some relevant previous work Section 3 repre-sents the heart of the paper and explores point location among disjoint line segments of our search strategy, we first describe a simple alternative to Fredman and Willard's original fusion tree, which achieves sublogarithmic bounds Even after incorporating

Jay S. Ghurye - University Of Maryland

Computational Methods to Analyze Human Behavior During Disasters Advisor: Vanessa Frias-Martinez In this work, we developed a Markov chain based model to analyze human behavior using Call Data Records (CDRs) during the oods in Rawanda in April 2012 Publications Jay Ghurye, Brian Brubach, Aravind Srinivasan and Mihai Pop \Better Greedy Sequence

Detection of Core{Periphery Structure in Networks Using ...

Detection of Core{Periphery Structure in Networks Using Spectral Methods and Geodesic Paths Mihai Cucuringu1, Puck Rombach2 Sang Hoon Lee3 and Mason A Porter4 1 Department of Mathematics, UCLA, Los Angeles, CA (mihai@mathuclaedu) This work was initiated while the author was a liated with the Program in Applied and Computational Mathematics

Computational Neuroscience Group Department of ...

Mihai A Petrovici Electronic Vision(s) Computational Neuroscience Group Department of Physiology University of Bern Bio-inspired artificial intelligence Why spikes? Sampling-based Bayesian computation Petrovici& Bill et al (2013, 2016), Leng& Petroviciet al (2016, 2018), Kungl et al (in prep)

A COMPUTATIONAL APPROACH TO LINGUISTIC ...

format The exploitation of this unprecedented resource under a computational frame-work can bring a phase transition in our understanding of human social behavior and shape the future of social media systems This thesis describes a computational ap-proach to an intriguing aspect of conversational behavior, linguistic style coordination:

Computational Science for Grid - Energy.gov

Computational Science for Grid Management PROJECT 1418 | FACT SHEET April 2016 –March 2019 DURATION $118 million BUDGET •Mihai Anitescu Argonne National Laboratory anitescu@mcsanlgov •Henry Huang Pacific Northwest National Laboratory zhenyuhuang@pnnlgov PROJECT LEADS These efforts will illuminate the effects of …

Contributions within Density Functional Theory with …

Throughout the new density functional electronegativity proposal by Mr Putz's work, crucial reactivity indices like the chemical action, the chemical hardness as well as the energetic functionals are rigorously related and giving space to further developments … For the computational methodology Mr Putz had

ReseaRch at the University of Maryland

ReseaRch at the University of Maryland Using Bioinformatics to Combat Infant Mortality Using computational statistics and philogenetic analysis, Mihai Pop analyzes bacteria in fecal samples from infants in Mali, Bangladesh, and other developing countries to diagnose the causes of diarrhea and terminal dehydration

Computational Design of High-Affinity Epitope Scaffolds by …

coronavirus S glycoprotein12 Epitope scaffolds can thus serve as vaccine candidates or as reagents to map different sera specificities In addition, epitope scaffolds are a good platform to test the ability of computational design to manipulate protein struc-ture and function In previous work,15,16 we engineered epitope

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Mihai S^ rbu Thaleia Zariphopoulou Luis Ca arelli Lexing Ying Stathis Tompaidis Stochastic Equilibria in a General Class of Incomplete Brownian Market Environments by Yingwu Zhao, BS DISSERTATION Presented to the Faculty of the Graduate School of The University of Texas at Austin in Partial Ful llment we work mainly in anisotropic H