

## Curriculum Vitae

John P. Georges

Department of Mathematics  
Trinity College  
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### **Employment History**

- 1995-present: Professor, Department of Mathematics, Trinity College
- 1991-1995: Associate Professor, Department of Mathematics, Trinity College  
(Tenure decision in 1990)
- 1985-1991: Assistant Professor, Department of Mathematics, Trinity College
- 1983-1985: Visiting Assistant Professor, Department of Mathematics, Trinity College
- 1982-1983: Assistant Professor, Department of Mathematics, Northeastern University
- 1976-1982 Teaching Assistant, Department of Mathematics, Northeastern University
- 1973-1976: Mathematics Teacher, Peabody Public School System, Peabody, MA.

### **Education:**

Ph.D. Mathematics, Northeastern University, September 1982  
Thesis: Edge Colorings of 3-Regular Graphs with Small Numbers of Vertices  
Advisor: Professor Agnes H. Chan  
Major: Combinatorics and Graph Theory  
Minor: Statistical Decision Theory

M.A. Education, Tufts University, June 1973

B.A., Tufts University, June 1971  
Major: Mathematics

## **Scholarly Work:**

### **Publications:**

#### On Zero Sum $Z_{2j}^k$ Magic Graphs

(with David Mauro and Kirsti Wash), *Journal of Combinatorial Optimization* (2016)  
Electronic Appearance

#### On a pursuit-evasion model without instantaneous movement

(with Jeong Ok Choi and David Mauro), *Australasian Journal of Combinatorics* (2016)  
Volume 64, Issue 3, p392-419

#### The Domination Number $K_n^3$

(with Jianwei Lin and David Mauro), *Discussiones Mathematicae Graph Theory* (2014)  
Volume 34, Issue 3, p.629-632

#### On the Zero Sum $Z_k$ Magic Labelings of 3-Regular Graphs

(with Jeong Ok Choi and David Mauro), *Graphs and Combinatorics* (May 2013) Volume  
29, Issue 3, p.387-398

#### On real number labelings and graph invertibility

(with Jeong-Ok Choi, David Mauro and Yan Wang), *Discrete Applied Mathematics* (October  
2012) Volume 160, Issue 15, p.2116-2130

#### Relating edge coverings to the classification of $Z_2^k$ magic graphs

(with Jeong-Ok Choi and David Mauro), *Discrete Mathematics* (October 2012) Volume 312,  
Issue 19, p.2938-2945

#### On the structures of $V_4$ and $Z_4$ -magic graphs

(with David Mauro and Yan Wang), *JCMCC* (2010) v. 75, p.137-152

#### Some Results on r-paths Labeled with a Condition at Distance Two

(with David Mauro, Kalin Gochev, and Yan Wang), *Congressus Numerantium* (2009)  
v. 198, p.95-109

#### Labeling the r-path with a Condition at Distance Two

(with David Mauro and Yan Wang), *Discrete Applied Mathematics* (2009) v. 157,  
p.3203-3215

#### On the Structure of Graphs with Non-Surjective $L(2,1)$ -Labelings

(with David Mauro), *S.I.A.M Journal on Discrete Mathematics* (2005) v. 19, p.208-223

#### A Note on Collections of Graphs with Non-Surjective Lambda Labelings

(with David Mauro), *Discrete Applied Mathematics* (2005) v. 146, p.92-98

#### On Labeling the Products of Complete Graphs with Distance Constraints

(with David Mauro and D. Erwin), *Naval Research Logistics* (2005) v. 52 #2, p.138-141

Edge Labelings with a Condition at Distance Two

(with David Mauro), *Ars Combinatoria* (2004) v. 70, p.109-128

On Regular Graphs Optimally Labeled with a Condition at Distance Two

(with David Mauro), *S.I.A.M. Journal on Discrete Mathematics* (2003) v. 17, p.320-331

Labeling Trees with a Condition at Distance Two

(with David Mauro), *Discrete Mathematics* (2003) v. 269, p127-148

On Generalized Petersen Graphs Labeled with a Condition at Distance Two

(with David Mauro), *Discrete Mathematics* (2002) v. 259, p.311-318

Labeling Products of Complete Graphs with a Condition at Distance Two

(with David Mauro and Melanie Stein), *S.I.A.M. Journal on Discrete Mathematics* (2001) v. 14, p.28-35

Some Results on the  $\lambda_k^j$ -Numbers of Products of Complete Graphs

(with David Mauro), *Congressus Numerantium* (1999) v. 140, p.141-160

On the Size of Graphs Labeled with a Condition at Distance Two

(with David Mauro), *Journal of Graph Theory* (1996) v. 22 #1, p.47-57

On the  $\lambda$ -Number of  $Q_n$  and Related Graphs

(with Marshall Whittlesey and David Mauro), *S.I.A.M. Journal on Discrete Mathematics* (1995) v. 8 #4, p.499-506

Generalized Vertex Labelings with a Condition at Distance Two

(with David Mauro), *Congressus Numerantium* (1995) v. 109, p.141-160

On the Harmonious Coloring of Collections of Graphs

*Journal of Graph Theory* (1995) v. 20 #2 p.241-254

Generalizing Monty's Dilemma

(with T. V. Craine) *Quantum* (1995) v. 5 #4 p.16-21

On the Criticality of Graphs Labeled with a Condition at Distance Two

(with David Mauro), *Congressus Numerantium* (1994) v. 101, p.33-49

Relating Path Coverings to Vertex Labelings with a Condition at Distance Two

(with David Mauro and Marshall Whittlesey), *Discrete Mathematics* (1994) v. 135, p.103-111

Optimal Sophisticated Voting in Single Ballot Elections Involving Three Candidates

(with W. E. Gutowski), *Public Choice* (1993) v. 77 #2 p.225-248

Edge Domination and Graph Structure

(with M. Halsey, A. Sanaulla and M. A. Whittlesey), *Congressus Numerantium* (1990)

v. 76 p.191-207

Non-Hamiltonian Bicubic Graphs

*Journal of Combinatorial Theory, Series B* (1990) v. 46 p.121-124

**Invited Talks**

**Conference Presentations:**

“On the Zero-Sum  $Z_4^k$ -Magic Labelings of Cubic Graphs”, 44<sup>th</sup> Southeastern International Conference on Combinatorics, Graph Theory and Computing: Florida Atlantic University (March 2013).

“Some results on  $r$ -paths labeled with a condition at distance two”, 40<sup>th</sup> Southeastern International Conference on Graph Theory, Combinatorics, Graph Theory and Computing: Florida Atlantic University (March, 2009).

“Some results on the structure of graphs having nonsurjective optimal  $L(2,1)$  labelings”, 36<sup>th</sup> Southeastern International Conference on, Combinatorics, Graph Theory and Computing: Florida Atlantic University (March, 2005).

“On the nonsurjective labelings of graphs with condition at distance two”, Combinatorics 2004; Catania, Sicily (September, 2004).

“On graphs having optimal  $L(2,1)$  labelings with delta holes”, 35<sup>th</sup> Southeastern International Conference on Graph Theory, Combinatorics and Computing; Florida Atlantic University (March, 2004)

“Relating  $L(2,1)$  labelings to other graph invariants”, (a special session presentation) SIAM Conference on Discrete Mathematics; Nashville, Tennessee (June, 2003).

**Colloquia:**

“Some thoughts on the paranoid watchman problem”, Central Connecticut State University (April 2011)

“A survey of results on non-surjective  $L(2,1)$  labelings”, University of Vermont (April, 2006).

“Recent results on nonsurjective  $L(2,1)$  labelings”, University of South Carolina (April, 2005).

“Surveying the landscape of  $L(2,1)$  labelings”, University of Connecticut (February, 2002).

**Number of Papers Refereed: 47** (SIAM Journal of Discrete Mathematics, Journal of Graph Theory, Discrete Mathematics, Discrete Applied Mathematics, Applied Mathematics Letters, Journal of Mathematics and Theoretical Computer Science, Ars Combinatoria, European Journal of Combinatorics, Journal of Combinatorial Optimization, Rocky Mountain Journal of Mathematics, Journal of Graph Labeling)

**Grants:**

Sloan Foundation support for development of (College Course 114) Judgment and Decision-Making.

Institute in Teaching and Learning, State of Connecticut -- presenter of C.E.U. on probability and statistics.

**Service in the Trinity or Greater Hartford Community:**

- **Committees Served:** Athletic Advisory, College Affairs, Curriculum, Educational Policy Committee (Chairman, 2001), Evaluation of the Dean of Faculty Committee, Faculty Conference and Mathematics Center Advisory (Chairman, 1992), Chairman
- Department of Mathematics, 2002-04.
- Administrator on Call, 1986-89.
- Lecturer in the Classical Magnet Program, Hartford Public Schools System, 1985-98.
- Advisory Board Member for Math Connections, a regional secondary school initiative funded by the National Science Foundation, 1988-95.
- Presented lecture series on probability at Windsor High School, (Windsor, Ct.), Spring 2001 and Spring 2002.