CURRICULUM VITAE

CV SECTION 1: Employment History/Awards

NAME       Christos Papadopoulos

ADDRESS    Department of Computer Science
            Colorado State University
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URL: http://cs.colostate.edu/~christos/

EDUCATION

1999       D.Sc. in Computer Science, Washington University in St. Louis
1992       M.S. in Computer Science, Washington University in St. Louis
1989       B.S. in Computer Science, Queens College (CUNY) New York
1983       Diploma of Technician Engineer, Higher Technical Institute, Cyprus

RESEARCH INTERESTS

Network Protocols, Network Security, Network Measurements, Multimedia Communications

ACADEMIC POSITIONS

(2006-present) associate professor, computer science, Colorado State University
(1999-2006)    assistant professor, computer science, University of Southern California

SABBATICALS

None

OTHER POSITIONS

(1989–1999) research assistant, computer science, Computer and Communications Research Center (CCRC) and Advanced Research Laboratory (ARL), Washington University in St. Louis MO

CURRENT JOB DESCRIPTION

40% Teaching, 53% Research/Creative Activity, 7% Service/Outreach, 0% Admin.

HONORS AND AWARDS

Career Award, NSF, 2002
CV SECTION 2: Publications/Scholarly Record

PUBLISHED WORKS

Books:
None

Refereed Journal Articles:


Accepted for Publication

Textbooks:
None
Refereed Chapters in Books:

Refereed Proceedings/Transactions:
11. “CyberSeer: 3D Audio-visual Immersion for Network Security and Management,” by Christos Papadopoulos, Chris Kyriakakis, Alexander Sawchuk and Xinning He. CCS
Workshop on Visualization and Data Mining for Computer Security (VizSec), Fairfax, VA, October 2004.

12. “Musical Interaction at a Distance,” by Elaine Chew, Roger Zimmermann, Alexander A. Sawchuk, Chris Kyriakakis, Christos Papadopoulos, Alexandre R. J. Francois, Gerry Kim and Anja Volk. Accepted for publication at the 4th Open Workshop of MUSICNETWORK, Universitat Pompeu Fabra, Barcelona, Spain, September 2004.


**Non-Refereed Journal Articles/Chapters/Proceedings/Transactions:**


CONTRACTS & GRANTS

Externally Funded Projects as PI


Externally Funded Projects as Co-PI


PAPERS PRESENTED/SYMPOSIA/INVITED LECTURES/PROFESSIONAL MEETINGS/WORKSHOPS


**OTHER ACTIVITIES/ACCOMPLISHMENTS – PUBLICATIONS/SCHOLARLY RECORD**

2008-9: Helped organize the annual security exercise (CANVAS) that includes students are Colorado State University, US Air Force Academy, Denver University and other Colorado universities.

Involved in an ongoing effort to publish network traces through the DHS-funded program PREDICT, to benefit the community of security researchers.

**CV SECTION 3: EVIDENCE OF TEACHING AND ADVISING EFFECTIVENESS**

**TEACHING:**

<table>
<thead>
<tr>
<th>Year</th>
<th>Semester</th>
<th>Course No/Title</th>
<th>Cr. Hours</th>
<th>Enrollment</th>
</tr>
</thead>
<tbody>
<tr>
<td>2006</td>
<td>Fall</td>
<td>CS457 – Computers/Internet</td>
<td>4</td>
<td>33</td>
</tr>
<tr>
<td>2007</td>
<td>Spring</td>
<td>CS680 - Adv Networking</td>
<td>4</td>
<td>9</td>
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<tr>
<td>2007</td>
<td>Fall</td>
<td>CS370 - Operating Systems</td>
<td>4</td>
<td>42</td>
</tr>
<tr>
<td>2008</td>
<td>Spring</td>
<td>CS680 – Adv Networking</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>2008</td>
<td>Fall</td>
<td>CS457- Computers/Internet</td>
<td>4</td>
<td>14</td>
</tr>
<tr>
<td>2009</td>
<td>Fall</td>
<td>CS657-Adv Networking</td>
<td>4</td>
<td>3</td>
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</table>
Development of New Courses
CS680, Spring 2007. This is a seminar course with emphasis on systems security, where students created their own network with Cisco routers and real services (mail, DNS, web, SSH, ftp) and staged attacks and defenses.

ADVISING:

STUDENT ADVISING/GRADUATE SUPERVISION
UNDERGRADUATE STUDENTS
    Nick Diel (graduated)
    David Kapp (graduated)
    Kathrine Shubert (graduated)
    Andrea Steiner
GRADUATE STUDENTS
Current Graduate Advisees:
    Genevieve Bartlett, (PhD) - student is at the University of Southern California
    Vamsi Kambhampati (PhD)
    Steve DiBenedetto (PhD)
    Kaustubh Gadkari (MS)
    Mengran Xu (PhD)
Current Graduate Committee Membership:
    4, Plan A
Graduate Committee memberships (for the past 5 years)
    26 PhD (all at USC)
    1 MS (at USC)
Graduate Degrees Completed Under My Supervision
    Rishi Sinha 2006, PhD (USC student)
    Xinming He, 2006 PhD (USC student)
    Alefiya Hussain, 2005, PhD (USC student)
    Adnan Mahmud, 2004, MS (USC student)
    Emmanuil Laliotis, 2000, MS (USC student)
Descriptions of Mentoring Activities
    Helped develop the NetSec Lab, with Prof. Massey. Supervised several undergraduates and one graduate student in network administration, web page development, machine configuration, etc.
CV SECTION 4: Evidence of Outreach/Service

COMMITTEES

Coffee with CSU, Coordinator, IsTec, 2008-9
Department Undergraduate Committee, 2008-9
Department Graduate Admissions Committee, 2007-8
Department Research Committee, 2006-7

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

Professional Memberships: ACM, IEEE.
TPC Co-chair, Global Internet, 2008.
Chair, Computer Communications Workshop, Fall 2008.
Treasurer, Sigcomm 2005.
Student Travel Awards committee member, Sigcomm 2004.
Co-chair, NOSSDAV 2003.
Panel Chair, ACM OpenSig 2002, Lexington, KY. Theme: “Extensible Networks.”
Chair, Student Travel Awards, Sigcomm 2001.
Program Committee member, Global Internet 2010
Program Committee member, Networking 2010
Program Committee member, IMC 2009
Program Committee member, Sigcomm 2009
Program Committee member, Global Internet, 2007.
Program Committee member, Sigcomm 2007.
Program Committee member, Networking 2006.
Program Committee member, Infocom 2006.
Program Committee member, Comsware 2006.
Program Committee member, Networking 2005.
Program Committee member, Sigcomm 2004.
Program Committee member, Infocom 2004.
Program Committee member, NGC 2003.
Program Committee member, Infocom 2003.
Program Committee member, NGC 2002.
Program Committee member, NOSSDAV 2002.
Grant Proposal Reviewer: National Science Foundation. External reviewing and panel reviews. 2000 – present.

Conference and Journal Reviewer: Transactions on Computers, IEEE/ACM Transactions on Networking, Computer networks, ACM Sigcomm, ACM Sigmetrics, IEEE Infocom,
ICDCS, ICMCS, IZS, SPIE/ACM MMCN, NOSSDAV, IEEE RTTAS, HIPPARCH, LCN, IEEE Magazine, and more.

OTHER ACTIVITIES/ACCOMPLISHMENTS – SERVICE/OUTREACH

**Paper Citations** (as of September 2005. Sources: CiteSeer and Google Scholar)


An Error Control Scheme for Large-Scale Multicast Applications (1998): 81 and 158 citations.

Retransmission-Based Error Control for Continuous Media Applications (1996): 33 and 71 citations.

**Contributed Software**

LMS simulation software: contributed software module to ns. Available at [http://www.isi.edu/ns/](http://www.isi.edu/ns/)

PGM simulation software: contributed software module to ns. Available at [http://www.isi.edu/ns/](http://www.isi.edu/ns/)

Cossack: Coordinated Suppression of Simultaneous Attacks. Available at [http://www.isi.edu/cossack](http://www.isi.edu/cossack)

**External Evaluations**

The Cossack software was selected to undergo Red Team Evaluation at a DARPA testing facility in Arlington, VA. Oct 2002 – April 2003. DARPA selects only a handful of projects from each program for Red Team evaluation.