Phillip T. Conrad

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Lecturer with Security of Employment (LSOE), University of California, Santa Barbara
A teaching-track position corresponding to that of a tenured associate professor

Joint Appointment:

- **Department of Computer Science, College of Engineering** (CoE) (50%)
  a Ph.D. granting research-oriented department,
  offering a traditional ABET-accredited B.S. in Computer Science

- **Computing Program, College of Creative Studies** (CCS) (50%)
  a highly selective "graduate school for undergraduates",
  with accelerated undergraduate degree programs in eight majors,
  including a B.S. in Computing emphasizing undergraduate research
  in Computer Science

I serve as the primary liaison between the two programs, which involves:

- teaching and service responsibilities for both programs,
- facilitating communication between the faculty and staff of both programs, and
- facilitating undergraduate research connections between CCS undergrads and CoE faculty.

Education

Ph.D. **Computer Science, University of Delaware,** Newark, DE, 2001

M.S. **Computer Science, West Virginia University**, Morgantown WV, 1998

B.S. **Computer Science, West Virginia Wesleyan College**, Buckhannon WV, 1985

Teaching Awards

UCSB College of Engineering Outstanding Faculty Award for Computer Science *chosen by vote of CS department graduating seniors*	2012, 2013 2014, 2015
UCSB Faculty Senate Distinguished Teaching Award *once per career award; six recipients annually from a faculty pool of over 1100*	**2011**
UCSB Housing & Residence Life Outstanding Faculty *nominations/selections by students living in UCSB Housing*	2009, 2010
West Virginia University, Dept. of Statistics & Computer Science Outstanding Teaching Assistant	1987

Academic Positions Held

University of California, Santa Barbara
Santa Barbara, California
    Joint Appointment
        50% Department of Computer Science, College of Engineering (CoE)
        50% College of Creative Studies (CCS), Computer Science/Computing

    Lecturer with Security of Employment (LSOE)   2012-present
    Lecturer with Potential Security of Employment (LPSOE)   2007-2012

University of Delaware
Newark, Delaware
    Department of Computer and Information Sciences
    Assistant Professor, Continuing Non-Tenure Track   2003-2007

Temple University
Philadelphia, Pennsylvania
    Department of Computer and Information Sciences

    Assistant Professor   2001-2003
    Instructor   1998-2001

Industry Positions Held

AppFolio
Goleta, California
    AppFolio Faculty Fellow   Summer 2014

- In order to learn about current industry practices, and thus better inform undergraduate curriculum, took on role of an "entry level employee with a four year degree" for 12 weeks
- Learned Agile processes, SaaS web app development using Ruby on Rails/HTML/CSS/JavaScript/JQuery

E.I. du Pont de Nemours and Company
Wilmington, Delaware
    Staff Analyst   1988-1992

- IBM Mainframe Applications Programming (Order Entry, Shipping, Distribution) IMS, PL/I, MVS
- PC LAN design, installation and tech support

Courses Taught at UCSB

Academic year is three 10-week quarters F=Fall, W=Winter, S=Spring
M indicates a course taught in summer session

for UCSB College of Engineering's Department of Computer Science

traditional format courses in an ABET accredited BS CS program

Subject	Course Number	Quarters	Enrollment
Introductory Programming			
Python	CMPSC 5NM	F08	50
	CMPSC 8	M09, M10, F10, F13, S14	50-150
Intermediate Programming			
Java	CMPSC 10	S09	80
C	CMPSC 16	F09, W10, S10	75-100
C++	CMPSC 16	F14, W15	120-170
Advanced Programming			
Object Oriented Design and Implementation (C++)	CMPSC 32	S15, F15	80-110
Advanced Application Programming (Java)	CMPSC 56	W11, S11, W12, S12, S13, W14, W15, W16, M16, F16	30-85
Discrete Mathematics for Computer Science	CMPSC 40	S08, F11, F12, W13	50-120

for College of Creative Studies Computing Program

CCS courses differ from regular courses in several ways, including: small size (6-20 students),
no letter grades, but instead pass/no-pass with variable units, and an emphasis on student's responsibility for learning.

Subject	Course Number*	Quarters	Enrollment
Computer Programming and Organization (Accelerated CS1/CS2/CS3 programming course for first year CCS Computing majors)	CMPSCCS 1A CMPTGCS 1A	F09, F10, F11, F12, F13, F14 F15, F16	6-12 8-12
Software Development Projects (Project course for 1st year CCS Computing Majors)	CMPSCCS 1L	F09, F10, F11, F12, F13	10-21
Faculty Research Seminar	CMPSCCS 10 CMPTGCS 10	W12, W13, W14, W15 W16	8-16 13
Introduction to Computer Science for Non-Majors	CMPSCCS 20 CMPTGCS 20	S15 S16	23 20
Research Methods in Computer Science	CMPSCCS 130H CMPSCCS 140	W09, W10, W11 W12, W13, W14	9-12 4
Various Courses in Web Application Development	CMPSCCS 130G CMPSCCS 130E CMPTGCS 140	S08, W09, S09, S10 S14 W16	15-20 15 11
Various Courses in Computer Science Education	CMPSCCS 20 CMPSCCS 140	W11 S11,S12	6 4-16
Digital Audio Programming Techniques	CMPTGCS 130G	S16	14
Sound, Image and Computation (co-taught with CCS Music Composition faculty member Leslie Hogan)	INT CS 120	S13	12

* Indicates the course number(s) under which the course was taught. Course numbers in CCS have historically been "generic" with content varying from quarter to quarter. Detailed course descriptions are available at http://www.ccs.ucsb.edu

Courses Taught at University of Delaware and Temple University

Subject	Course Number	Semesters (14 weeks, F=Fall, S=Spring, M=Summer)	Approximate Enrollment (per lecture section)
Introductory Programming			
C	UD CISC105	F03, F04, F05	80
C++	TU CIS067	F98	20
JavaScript	UD CISC103	F04, F05, F06	30-40
MATLAB	UD CISC106	F06, F07	20-80
Intermediate Programming			
C++	UD CISC181	S98, S04, F04, S05, F05, S06, S07	60-80
Advanced Programming			
Data Structures (C++)	UD CISC220	F97, S98, M06	20-80
Upper Division Undergraduate Courses			
Web Development Technologies (e.g. J2EE, Servlets, Java Database Connectivity)	UD CISC474	S05, S06, S07	40
Computer Networks (Undergrad Survey Course)	TU CIS320 UD CISC450	S99, S00, F00, S01 F03	30 40
Graduate Courses			
Computer Networks (Graduate Survey Course)	TU CIS662	F98, S99, F99, S00, F00, F01, F02, S02, F03, S03	20
Programming Languages (Combined UG/Graduate Survey Course)	UD CISC470/ UD CISC670	F97	30
Upper Layer Protocols (Graduate Seminar)	UD CISC856	F96, S97	20
Advanced Topics in Computer Networks (Graduate Seminar)	TU CIS667	F99	12

Graduate Degree Committees

MS in Computer Science		Ph.D. in Computer Science
as advisor/ committee chair Jasen Hall (UCSB 2015) Hunter Laux (UCSB 2015) Nicholas Brown (UCSB 2017)	**as second reader/ committee member** Camilla Fiorese (UCSB 2009) Neer Shay (UCSB 2010) Johan Henkens (UCSB 2014) Chad Simons (UCSB 2015)	**as second reader/committee member** Armando Caro (University of Delaware 2005)* Jana Iyengar (University of Delaware 2006)* Preethi Natarajan (University of Delaware 2008) Daniel Havey (UCSB 2015) Austin Cory Bart (Virginia Tech 2017) * prior to joining UCSB faculty

Undergraduate Projects Supervised at UCSB
(title, followed by quarter and students names, listed chronologically)

Aggregating Data via Web Crawlers and Proxies
- (F09) Kyle Klein

Curation, Mentoring, and Peer Code Review of Legacy-Code Projects for Undergraduate Software Development Course
- (W12) Geoffrey Douglas, Allison Van Pelt, Aaron Dodson
- (S12) Carina Rammelkamp, Alex Mousavi, Leif Dreizler
- (W13) Leif Dreizler, Kyle Jorgensen
- (S13) Carina Rammelkamp, Scott Bishop, Aaron Dodson, Alex Hamstra, Leif Dreizler
- (W14) Andrew Berls, Brynn Kiefer, Bronwyn Perry-Huston, James Neally, Jakob Staahl
- (S14) Bronwyn-Perry Huston, Adam Ehrlich
- (W15) David Coffill, Jennifer Cryan, Alec Harrell, Marcus Liao, Paz Zait-Givon
- (W16) Omeed Rabani, Arda Ungun, Manpreet Bahia, Hanna Vigil, Ally Shedden, Jonathan Easterman, Vince Nicoara, Jenna Cryan
- (M16) Nathaniel Pincus, Dylan Lynch, Christian Newkirk, Michael Caccamo
- (F16) Geon Lee, John Mangel, Alex Thielk, Vivek Patel, Angela Yung, Jimmy Le, Zhancheng Qian, Franklin Tang, Jack Alexander, Steven Fields, William Bennett

Curriculum Development for Dos Pueblos Engineering Academy: Arduino Based curriculum for C Programming
- (F12) Hunter Laux, Jason Berry
- (W13) Matthew Byington, Jonathan Go, William Chen, Benji Lampel, Blake Regalia
- (F13) Austin Alameda, Chris Nelson, Alex Sarraf, (S14) Liam Cardenas, Emily Littleworth, Eric Taba

Curriculum Development for Lompoc Valley Middle School "Make to Learn" class
- (F12), Anthony Coccia, Peter Huang (W13), Austin Alameda, Nivedh Mudaliar, Alex Sarraf

Project Awesome: Online Practice Exercises for Introductory Computer Science
- (W13) Johan Henkens, Richard Macklin, (S13) Emilie Barnard, (W14) Evan Crook
- (S14) Sidney Rhoads, Tom Craig
- (S16) Caitlin Scarberry, Arda Ungun, Taylor McCreary, Martin Wolfenbarger

Curriculum Development for Interdisciplinary Study of Music and Computer Science
- (S14) Alex Allen, Nick Marks, Daniel Imberman

Curriculum Development for Web Applications Development
- (F14) Evan Moelter, Jonathan Kassan, Rachel (Nina) Kaufman

Curriculum development for Teaching Object Oriented Programming in C++
- (F15) Dwayne Conard, Ben Campbell

Design of Acoustic Sensor for Dos Pueblos Engineering Academy
- (S15) Eric Taba

Agile Software As A Service Development in Rails and Node.js
- (F15, W16), Martin Wolfenbarger, (S16) Martin Wolfenbarger, Felicia Truong, David Acevedo, Yanxi Chen

Listening to Developers: A Qualitative Analysis of interviews with Early Career Developers
- (F16) Dylan Lynch, (W17) Natasha Lee, Laura Anthony

Project Anacapa: An Agile Autograder based on Jenkins and Git
- (S17) Gareth George, Connor Armbrust Mulcahey, Carson Holoien

Talks

- Invited Talk: Coding to Learn vs. Learning to Code: 06/16/2017
  The gap between undergraduate programming exercises and industrial software development
  University of Toronto, Department of Computer Science
- Lecture: "Broadening Participation in Computer Science"   11/17/2014
  Presentation to SACNAS and oSTEM (undergraduate student organizations), UCSB
- Alternatives to Lecture: Experience Peer Instruction and Pedagogical Code Reviews   03/06/2014
  Special Session at SIGCSE 2014, Atlanta GA.
  Co-chaired with Scott Grissom, Christopher Hundhausen
- Lecture "What is Computer Science"?   05/06/2013
  National Society of Black Engineers, UCSB student chapter
- Panelist: Academia Day Presentation on Teaching Faculty   11/13/2009
  UCSB Department of Computer Science
- Panelist: "How to disseminate your research ideas"   05/20/2008
  UCSB Department of Computer Science

Grants and Contracts

Years	Source	Title	Amount	Role
Temple University				
06/01/2001 - 09/30/2002	Army Research Lab	TCP Enhancements for Wireless Battlefield Networks. Subcontract of Collaborative Technology Alliance in Battlefield Networks (subcontract to Temple University through University of Delaware)	$62K	**PI**
10/01/2002 - 09/30/2003	Army Research Lab	Reliable on the move Sessions. Subcontract of Collaborative Technology Alliance in Battlefield Networks (subcontract to Temple University through Telcordia Technologies)	$50K	**PI**
University of California, Santa Barbara				
6/1/2009 - 5/31/2010	Cisco Systems	TCP Santa Barbara: A Rate-Based Congestion Control Algorithm	$45K	**Co-PI.** PI: K. Almeroth (UCSB CS Dept.)
04/01/2010 - 03/30/2013	National Science Foundation	BPC-DP:Animal Tlatoque: A Synergy between Mesoamerican Cultural History and Endangered Species to attract and retain Latina/os and Females in Computer Science (Award 0940491)	$533K	**Co-PI.** PI: Diana Franklin, (UCSB CS Dept.) co-PI Gerardo Aldana, (UCSB Dept. of Chicana/Chicano Studies)
08/01/2010 - 07/31/2011	UCSB Faculty Outreach Grant	Connected Learning: Narrowing Santa Barbara's Digital Divide through the One Laptop per Child Project	$20K	**Co-PI.** PI: Danielle Harlow, (Gevirtz Grad. School of Education)

Professional Activity

- Participant, NSF CPATH-2: Collaborative Research: 2009-2013
  Broadening Studio-Based Learning in Computing Education

  Participated in a multi-institution study of the effectiveness of studio-based learning. Taught a course in both a studio-based learning format and a non-studio-based format, obtaining IRB approval and collecting a set of data to share with PIs. Participated in faculty development workshops on teaching using studio-based learning, and on technical and evaluation issues.

Faculty Development Workshop	June 19-22 2011, Coeur D'Alene, Idaho
Faculty Development Workshop	July 19-21, 2013, Pine Mountain, Georgia

- Co-chaired "Birds-of-a-feather" session, SIGCSE 2013: "Taking studio-based learning online".
  (with Yolanda Reimer and Christopher Hundhausen.)   March 2013

- Advisory Board Member for NSF Cyberlearning EXP award:
  Exploring Social Programming Environments in Early Computing Courses   2013-present

  Contributed to project workshops that brought together the advisory board and lead project personnel to review project progress, and to identify directions for future work.
  (PIs: Chris Hundhausen, Olusola Adesope, Washington State University)

Advisory Board Meeting	8/12-8/14 2015 Omaha, Nebraska
Learning Analytics Workshop and Advisory Board Meeting	6/16-6/17 2016, Spokane, Washington

- Instructor, Summer Program for Incoming Students (SPIS)   August/September 2015
  UC San Diego, Department of Computer Science and Engineering   August/September 2016

  Collaborated with two co-instructors to prepare curriculum and lead a five week residential full-time integrated course for 50 incoming freshman students at UC San Diego.   Taught introductory Python, and led 1/3 of students in projects in server-side web development using Flask.   Supervised 2nd and 3rd year student mentors and met with incoming freshmen 1-on-1 and in small groups for career advising.

- Participant: Second Workshop on Using Learning and Engagement Strategies in Software Engineering and Programming Courses (LESSEP 2017-1)   June 6-7, 2017, Miami Florida

  Introduction to various learning and engagement strategies (LESs), e.g., collaborative learning, social interaction and gamification; formed a community of instructors to contributes to the development of learning objects (LOs) for Software Engineering and Programming (SEP) courses.

Professional Service

● Reviewer, ACM SIGCOMM	1995
● Reviewer, IEEE INFOCOM	1996, 2001
● Reviewer, NSF Proposal Review Panel	1997
● Reviewer, Addison-Wesley: Data Structures and Problem Solving Using C++, 2nd edition, Mark. A. Weiss	2000
● Reviewer, ACM Transactions on Computing Education	2011, 2014, 2016
● Reviewer, ACM SIGCSE (Computer Science Education) Technical Symposium	2012, 2013, 2014, 2015

University Service

UC Systemwide Service
- University Committee on Preparatory Education (UCOPE)
Santa Barbara Division representative (substitute)   January 2016
- University Committee on Educational Policy (UCEP)
Santa Barbara Division representative (substitute)   May 2015, June 2015

UCSB Campus Service
- UCSB Information Technology Council, Academic Senate Representative   2016-present
- UCSB Academic Senate, Undergraduate Council
member   2015-2016
vice-chair   2014-2015
member   2013-2014

UCSB Computer Science Department Service

- LPSOE Hiring Committee Chair   2015-2017|
Chaired two successful faculty searches for open LPSOE positions,
Successfully recruiting Diba Mirza (started Nov 1, 2016) for CoE CS,
Richert Wang (started July 1, 2017) for a position shared between CoE CS and CCS

- Faculty Undergraduate Advisor   2009-present
Review and approve petitions, meet with students for individual advising, participate in periodic group advising meetings, approve study abroad courses.   From 2009-2014, was sole faculty advisor for approximately 400 undergraduate students of the CoE Department of Computer Science.   Over the period 2014-present, one additional faculty advisor was added each year so advising load was reduced: ~300 students in 2014, ~200 students in 2015, and ~100 in 2016.

- Undergraduate Affairs Committee   2008-present
Committee handles all undergraduate program matters other than curriculum, including student/faculty relations, advising, mentoring. Sponsors a series of lectures for undergraduates, the "Array of Talks."
(http://arrayoftalks.cs.ucsb.edu/)

    Key individual contributions include coordinating a panel presentation for undergrads on "Imposter Syndrome" chaired by guest presenter Maria Klawe (2014), and recruiting alumni participants for UCSB CS Alumni Panel events in 2015, 2016, and 2017.

- Undergraduate Curriculum Committee   2008-2011
Contributed to complete overhaul of lower division undergraduate curriculum, replacing six courses (5,10,20,30,50,60) with seven new ones (8,16,24,32,48,56,64).   Changed from Java-centric curriculum to one with Python/C/C++ at core.

- Chancellors Receptions (recruiting event for prospective undergraduate students)
03/08 (San Jose), 03/14 (Los Angeles), 03/15 (Los Angeles)   2015
03/19 (San Jose)   2011
03/14 (Los Angeles)   2009
03/08 (San Francisco), 03/09 (San Jose)   2008

University Service (continued)

UCSB College of Creative Studies Service

- **Member, CCS Computer Science Program Committee**   **2009-2014**
  Member, CCS Computing Program Committee   **2014-present**
    - Review curriculum decisions, and student progress.
    - Review admissions applications (detailed review of approximately 100 applications per year).
    - Provide intensive one-on-one quarterly mentoring to group of 8-10 advisees.
    - Coordinate with UCSB CS Department, which provides bulk of curriculum for program, and research opportunities for students.
    - Facilitated mandated name change from "Computer Science" to "Computing" due to ABET requirement that only one program on campus could be named "Computer Science."
- **College of Creative Studies Webmaster**   **2009-2014**
  Responsible for all changes to the CCS website.   Facilitated discussions to relocate responsibility for server maintenance from in-house within CCS to a professional tech-support elsewhere on campus.   Facilitated transition to new professionally designed site in Spring 2014.

Service to K-12 Education

- **Consultant, Santa Barbara High School Computer Science Academy**   **2016 - present**
  Collaborated with Computer Science teachers at local public high school to develop curriculum for a year-long course in Web Development to supplement their existing four course options (Exploring Computer Science, AP CS A (Java), Computational Art in Processing, and Mobile App Development in Swift.)
  Prepared detailed learning objectives, summary lesson plans for approval by UC a-g curriculum review board.
  Led three day professional development workshop covering new curriculum.
- **Santa Barbara High School Computer Science Academy Visioning Committee 2016 - present**
  Participated in Quarterly Meetings of board of local tech industry and academic leaders
  that advise on curriculum matters for Computer Science program at local public high school.
- **Dos Pueblos Engineering Academy, Goleta CA.**   **2012 - 2015**
  Worked with teacher for 9th and 10th grade DPEA courses to help refine programming curriculum,
  and arranged for UCSB undergraduates to serve as mentors in the classroom.
- **Lompoc Valley Middle School, Lompoc CA**   **2012-2013**
  Visited Middle School classroom weekly in Fall 2012 and Winter 2013, along with
  three UCSB CS/CE undergraduates, to assist 8th grade teacher with CS component of "make to learn" class.

Publications

No.	Year	Title and Authors	Publisher	Category
1	1994	"Partial order transport service for multimedia and other applications." P. D. Amer , C. Chassot , T. J. Connolly , M. Diaz , P. Conrad.	IEEE/ACM Trans on Networking, 2(5), 10/1994 pp. 440–456.	Journal
2	1996	"A multimedia document retrieval system using partially ordered/partially-reliable transport service." P. Conrad, E. Golden, P. Amer, R. Marasli.	Proc. Multimedia and Computing Networking, San Jose, 1/1996	Conference
3	1996	"Retransmission-based partially reliable transport service: An analytic model." R. Marasli , P. Amer, P. Conrad.	Proc. IEEE INFOCOM, San Francisco, 3/1996, pp. 621-629.	Conference
4	1996	"Optimizing partially ordered transport services for multimedia applications", R. Marasli, P. Amer, P. Conrad.	International Conference on Multimedia Modeling, 1996, pp. 185–204.	Workshop
5	1997	"Transport QoS over unreliable networks: no guarantees, no free lunch!" P. Conrad, P. Amer, E. Golden, S. Iren, R. Marasli, A. Caro.	5th IFIP Int'l Workshop on Quality of Service, Columbia Univ, 5/1997, pp. 315-318.	Workshop
6	1997	"An analytic study of partially ordered transport services." R. Marasli, P. Amer, P. Conrad.	Computer Networks, 29 (6) (1997) pp. 675–699.	Journal
7	1998	"Partially reliable transport service." R. Marasli, P. Amer, P. Conrad.	Proc IEEE ISCC '97 - 2nd Symp on Computers and Communications, Alexandria, Egypt, 7/1997	Workshop
8	1998	"Metrics for quantifying partially ordered transport services." R. Marasli, P. Amer, P. Conrad.	Proc 6th Int'l Conf on Telecommunication Systems, Nashville, 3/1998	Conference
9	1998	"Network-conscious GIF image transmission over the Internet." P. Amer, S. Iren, Gul E. Sezen, P. Conrad, M. Taube, A. Caro.	Proc 4th Int'l Workshop on High Perf Protocol Architectures (HIPPARCH '98), London, 6/1998	Workshop
10	1998	"Network-conscious compressed images over wireless networks." S. Iren, P. Amer, P. Conrad.	Proc 5th Int'l Workshop on Interactive Dist'd Multimedia Systems and Telecom Services (IDMS '98), Oslo, Norway, Lecture Notes in Computer Science, Vol. 1483, Springer Verlag, 9/1998	Workshop
11	1998	"NETCICATS: Network-conscious image compression and transmission system." S. Iren, P. Amer, P. Conrad.	Proc 4th Int'l Workshop on Multimedia Information Systems, Istanbul, Turkey; published as: Lecture Notes in Computer Science, Vol. 1508, Springer Verlag, 9/1998	Workshop

(continued...)

Publications (continued...)

No.	Year	Title and Authors	Publisher	Category
12	1998	"Network-conscious compressed image transmission over battlefield networks." S. Iren, P. Amer, A. Caro, P. Conrad, G. Sezen, M. Taube.	Proc IEEE MILCOM '98, Boston, 10/1998	Conference
13	1998	"Testing environment for innovative transport protocols." P. Conrad, P. Amer, M. Taube, G. Sezen, S. Iren, A. Caro.	Proc. IEEE MILCOM '98, Boston, 10/1998	Conference
14	1999	"Network-conscious GIF image transmission over the Internet." P. D. Amer, S. Iren, G. E. Sezen, P. T. Conrad, M. Taube, A. Caro.	Computer Networks, 31 (7) (1999) pp. 693-708.	Journal
15	1999	"Teaching Network Performance Measurement Using Java When The Students Don't Already Know Java." P. Conrad, B. Greenstein.	Proc PDPTA, 1999, Las Vegas, 7/1999	Conference
16	1999	"The transport layer: tutorial and survey." S. Iren, P. Amer , P. Conrad	ACM Computing Surveys, 31 (4) (12/1999), pp. 360–404.	Journal
17	2000	"Simple Reliable Multicast for Parallel Processing in Extended LANs." J. Mulik, P. Conrad, Y. Shi.	Proc. 25th IEEE Conf. on Local Computer Networks (LCN2000), 11/2000, pp. 437-438.	Conference
18	2001	"SCTP In Battlefield Networks." P. Conrad, G. Heinz, A. Caro, P. Amer, J. Fiore.	Proceedings IEEE MILCOM 2001. 10/2001	Conference
19	2001	"ReMDoR: Remote Multimedia Document Retrieval over Partial Order Transport." P. Conrad, A. Caro , P. Amer.	Proceedings ACM Multimedia 2001. 09/2001, pp. 169-180.	Conference
20	2004	"Evaluation of Architectures for Reliable Server Pooling in Wired and Wireless Environments." M. U. Uyar, J. Zheng, M. A. Fecko, S. Samtani, P. Conrad.	IEEE JSAC Special Issue on Recent Advances in Service Overlay Networks, 22 (1) (12/2004), pp. 164-175.	Journal
Appointment to LPSOE at UC Santa Barbara – 11/1/07				
Merit Review 09-10				
21	2010	"eVoices: a website supporting outreach by attracting target groups to computer science through culturally relevant themes." S. Jones, A. Hernandez, P. Ortiz, G. Aldana, P. Conrad, D. Franklin. http://dl.acm.org/citation.cfm?id=1734823	Conference of the Southwestern Region of the Consortium for Computing Sciences in Colleges (CCSC-SW 10)	Conference
Formal Appraisal, 10-11				
22	2010	"Animal Tlatoque: Attracting Middle School Students to Computing through Culturally-Relevant Themes." Diana Franklin, Phill Conrad, Gerardo Aldana, Sarah Hough https://doi.org/10.1145/1953163.1953295	SIGCSE 2011, pp. 453-458.	Conference

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Publications (continued...)

Promotion to LSOE, 11-12			
23	2012	"Evaluating TCP-Friendliness in Light of Concurrent Multipath Transfer." Ilknur Aydin, Janardhan Iyengar, Phillip Conrad, Chien-Chung Shen, Paul Amer https://doi.org/10.1016/j.comnet.2012.01.010	Computer Networks, 56 (2012), pp. 1876-1892.	Journal
24	2013	"Assessment of computer science learning in a scratch-based outreach program." Diana Franklin, Phillip Conrad, Bryce Boe, Katy Nilsen, Charlotte Hill, Michelle Len, Greg Dreschler, Gerardo Aldana, Paulo Almeida-Tanaka, Brynn Kiefer, Chelsea Laird, Felicia Lopez, Christine Pham, Jessica Suarez, and Robert Waite https://doi.org/10.1145/2445196.2445304	SIGCSE 2013, pp. 371-376.	Conference
25	2013	"Hairball: lint-inspired static analysis of scratch projects." Bryce Boe, Charlotte Hill, Michelle Len, Greg Dreschler, Phillip Conrad, and Diana Franklin https://doi.org/10.1145/2445196.2445265	SIGCSE 2013, pp. 215-220.	Conference
Merit Review, 13-14			
Merit Review, 15-16			
26	2017	"Evaluating Test Suite Effectiveness and Assessing Student Code via Constraint Logic Programming." https://doi.org/10.1145/3059009.3059051	ITICSE 2017, pp. 317-322.	Conference
Review for promotion to Senior LSOE, 17-18			

(end, Conrad CV, July 2017)