

New Educators Wednesday Roundtable - SIGCSE 2020

Information

People

Advice

Schedule

SIGCSE-20

Welcome, everyone!

Wed Mar 11,
2020

Location: B115, Oregon Convention Center

8:00 - 8:45 Plan to arrive by 8:45 for pre-workshop socializing - and survey

9:00 - 9:30 Opening ice-breaking and discussion

9:30 - 10:15 **Career Paths and Possibilities** - Nate Derbinsky, Northeastern [2018 slides](#)

10:15 - 10:45 **Job Searching & Interviewing** - Evan Peck, Bucknell [2018 slides](#)

10:45 - 11:00 *Break*

11:00 - 11:30 Focused discussion groups: *The Career Search*

11:30 - 12:00 **CS Teaching Tips** - Colleen Lewis, Harvey Mudd College [2018 slides](#)

12:00 - 1:00 *Lunch with the SIGCSE Board*

Hello!

- + pre-survey
- + coffee
- + voodoo
- + yay! *thank you!!*

Community! ~ Name Cards

thank you!

The image displays a grid of 32 name cards, numbered 1 through 32. Each card features a student's name, their university logo, and contact information. The cards are arranged in a grid with 4 rows and 8 columns. The names and universities are as follows:

- 1: Zach Dodds (Western Michigan University)
- 2: Nate Derbinsky (University of Michigan)
- 3: Leela Barker (University of Michigan)
- 4: Ben Yett (University of Michigan)
- 5: Azi Penn (University of Michigan)
- 6: [Name obscured] (University of Michigan)
- 7: Pedro Godoy Barrera (University of Michigan)
- 8: Julie M. Smith (University of North Texas)
- 9: Justin Firestone (Northwestern University)
- 10: Francesca Xhaka (University of Michigan)
- 11: Maira Marques Samary (University of Michigan)
- 12: Sruti Bhagavatula (University of Michigan)
- 13: Robbie Weber (University of Michigan)
- 14: Sahar Vaghaie (University of Michigan)
- 15: Caroline Hardin (Western Michigan University)
- 16: Scott Wehrwein (Western Michigan University)
- 17: Mohammed Farghaly (University of Michigan)
- 18: Mia Minnes (University of Michigan)
- 19: Matthew Johnson (University of Michigan)
- 20: David Wong-Aiken (University of Michigan)
- 21: Stephanie E. Augus (Michigan State University)
- 22: Kayla Jang (University of Michigan)
- 23: Albert Lavelle (University of Michigan)
- 24: Nahalia da Cruz Alves (University of Michigan)
- 25: Adam Poliak (University of Michigan)
- 26: Maria Carmen Fernandez (University of Michigan)
- 27: Noel Kuriakos (University of Michigan)
- 28: Ali Madooei (University of Michigan)
- 29: Jack Kolb (University of Michigan)
- 30: Nathaniel Weinman (University of Michigan)
- 31: Murphy McCauley (University of Michigan)
- 32: Ashish Aggarwal (University of Florida)

Community! ~ Name Cards

thank you!



Pedro Godoy

to me ▾

Mon, Mar 2, 5:03 AM (8 days ago)



Hi Zach,

I'm answering your question but I don't understand these questions:

*thank you,
Pedro!!!*

Finally, what is your "Spirit Font"? That is, in which your innermost self expresses its thoughts? (also for our namecards :-)

Can you help me to understand this?? you want to know what's my inspirational font??

Bye, and thank's you

Career ~ *CS Educator*

Career ~ *CS Educator*



1993 spring
(egg) fling



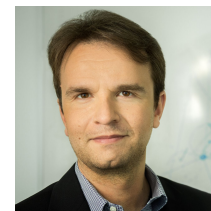
2020: *no less egg -
just more bokeh!*

Career ~ CS Educator

Individual

Career Search

the **teaching-track** landscape
the **liberal-arts** landscape
the **big-picture** landscape



Career Core

students' **lectures/labs/classes**
students' **hwks/exams/assessments**
students' **projects and paths**



Career Trajectory

teaching, research, and service:
strategies and work/life balance



Career: *CS Educator*

Career *Communities*

Career *Search*

the **teaching-track** landscape
the **liberal-arts** landscape
the **big-picture** landscape

diverse and crosscutting
identities underlying all
individual & institutional
interactions

Career *Core*

students' **lectures/labs**
students' **hwks/exams/assessments**
students' **projects and**



Career *Trajectory*

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| 10:45 - 11:00 | Brea |
| 11:00 - 11:30 | Focu |
| 11:30 - 12:00 | CS Teaching Tips - Colleen Lew |
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SIGCSE Board



Chair
Adrienne Decker
University at Buffalo
USA
adrienne@buffalo.edu



Vice Chair
Dan Garcia
University of California,
Berkeley
USA
ddgarcia.sigcse.vice.chair@gmail.com



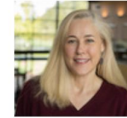
Treasurer
Andrew Luxton-Reilly
University of Auckland
New Zealand
andrew@cs.auckland.ac.nz



Secretary
Leo Porter
University of California, San
Diego
USA
leporter@eng.ucsd.edu



At Large Member
Mary Anne Egan
Siena College
USA
maegan@siena.edu



At Large Member
Laurie Murphy
Pacific Lutheran University
USA
lmurphy@plu.edu



At Large Member
Manuel A. Pérez-Quifones
Univ. of North Carolina,
Charlotte
USA
perez.quinones@uncc.edu



Past Chair
Amber Settle
DePaul University
USA
settle@cdm.depaul.edu

thank you!

Ice-breaking



Voodoo Doughnut

"1+2 == 3"

Find two partners to form a trio...

Ice-breaking



Voodoo Doughnut

"1+2 == 3"

Find two partners to form a trio...

For each pair among the trio, find something in common that's different from the third person -- *ideally, something you couldn't have guessed*. See namecard...

Rotate and repeat for all three pairs.

Extra credit: find something *all three of you have in common -- that's unlikely anyone else here shares!*

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2-3 questions

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Plan for NEWR 2020 breakout discussions ([slides](#))

20

Organize groups along different axes each time

#1 by institution-type/emphasis ~ teaching-track + liberal-arts + big-picture [[Career Search](#)]

#2 by subtopic ~ classroom experience + assessment + extra-curricular [[Career Core](#)]

#3 by stage ~ PhD student + post doc/contract + tenure/teaching track) [[Career Trajectory](#)]

#4 by choice ~ this is the "send-off" break out... [[Career communities](#)]

~~Have Emilie, Diane, and Zach to facilitate one of each.~~ Recruit facilitators!

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▼ Breakouts.pdf

Plan for NEWER 2020 breakout discussions (links)

Organize groups around different areas such as:

- The student - education space search - employment - skills transfer
- The degree - professional - post-graduate - "what's next" (career training)
- The industry - the skills need/transfer etc.

Headline: Career and Skills to facilitate your search - Personal feedback

For speakers, include: intended group topic

Slide 1 (for all pages)

Some questions that can be asked in your presentation and (optional) handouts to help them:

- **As a person from the education sector:**
 - How do you see the education sector?
 - What are the challenges?
 - How do you see the future?
- **As a person from the industry:**
 - How do you see the industry?
 - How do you see the future?
 - How do you see the skills transfer?
 - How do you see the skills transfer?
- **Consider opportunities that can be developed by career - address discussion:**
 - How do you see the future?
 - How do you see the future?
 - How do you see the future?
 - How do you see the future?

Ask for feedback: kindly thanking back, an "I'll try my best" may do much more than their schedule.

1

Slide 2 - one per theme - quotes from participants

For the first one - Career Search - Paths - possibilities

Although my advisor would prefer that I'd complete my dissertation that I take a position as a research assistant. I continue to be recruited by and advised, and my current plan is to actually return to being a faculty member at a large school (likely in a randomized metrics class) or perhaps at a small teaching college.

What are the career paths available for me as an educator and a teacher?

I am trying to understand the different job title teaching careers and what education looks like at different universities as well as the culture of different departments with respect to teaching research faculty. I also like to talk to people for advice on preparing and applying for these career and questions on how to target the better staff.

My concern is how to properly set my career goals and find the right path of career trajectory, especially in the liberal arts environment.

How to search the job market and apply for jobs, how to negotiate the position, and how to pursue a position I consider this as an opportunity to discuss these challenges, especially as an international student.

- 1) How to take different opportunities while teaching the job itself?
- 2) What is the best and best of jobs and in person interviews?
- 3) How to negotiate the offer?
- 4) How much salary is good at the beginning of your career?
- 5) How to approach research in teaching university?

I would also benefit tremendously from hearing what people looked for when making their choices on where to work.

2

Slide 2 - one per theme - quotes from participants

For the 2nd one - Career Core - Students and Courses

I am a research assistant in a program that has the goal to do a wide variety of research. I would like to understand the program and how the other research opportunities are structured in that department. I am also interested in how the program is structured in that department.

My greatest concern is in finding a program that will allow me to continue to work in my current field while also being able to work in a different research area. I am also interested in how the program is structured in that department.

How do you see the future of the program? I am also interested in how the program is structured in that department.

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3

Slide 2 - one per theme - quotes from participants

For the 3rd - Career Trajectory: Balancing Teaching, Research, Service

I am also interested in getting more insight about how I can balance research and teaching for a new faculty hire myself.

It is difficult to know how to be an instructor and a teacher in a research department and how to think about promotion and experience?

It's a tough task to balance work life and raising a baby/child. How do we balance both, especially if you're older - a baby recently?

I am hoping to gain practical advice on how to balance a teaching faculty position, what kinds of service work do teaching faculty do? How do they balance service and teaching time? How do you prep new courses of the same level?

Do you have any interesting research projects on teaching about professional development? How much of your time is spent on long term planning and future projects versus pushing out the class?

How to expand my network of CS education outside of my institute?

How can I strike a work-life balance while teaching large CS SE classes with nearly 400 students and 40 students?

I am looking for insights on conducting impactful research work while managing the course load. I have not been able to focus on my research as much as I want to.

4

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5:00 - Wrap-up, evaluations, and open discussion (we encourage)

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Loyola



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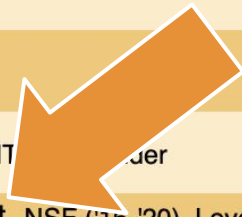
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Many thanks, everyone!



If no Colleen?!

3 things I wouldn't have thought...

most important span of time in a lecture class...

best way to support student tutors and graders...

keys to students' summer-research happiness...

3 things I wouldn't have thought...

most important span of time in a lecture class...

- + the 10-15 min before and the 10-15 min after

best way to support student tutors and graders...

- + meet with them to grade+debrief once a week

keys to students' summer-research happiness...

- + not in their profs' research space
- + 11:30-noon informal presentations
- + student vice-chancellors of fun: low-key

3 things I wouldn't have thought...

most important span of time in a lecture class...

+ the 10-15 min before and the 10-15 min after

3 things I wouldn't have thought...

best way to support student tutors and graders...

+ meet with them to grade+debrief once a week

evenings!

3 things I wouldn't have thought...

keys to students' summer-research happiness...

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summer!

Surprise panel!

Surprise panel

As in,

"Surprise! You're on a panel!"

Surprise panel

Groups of 4

- + personal favorite CS Education memory*
- + personal least-favorite CS Education memory*
- + distill*
- + report out*

Q'naire

What are your CS subfield(s)?

Your thought on what's the currently most-overhyped computing-related technology

Your thought on what's the currently most-**under**hyped computing-related technology

Programming language you were first exposed to (+ age)

What are the r, g, and b values (0-255) of your favorite color?

Speaking of favorites:

- + Your favorite ___ is _____
- + Your least favorite ___ is _____

What is your "spirit font"? (Possibly, but not necessarily, your favorite: rather, it's the font in which your innermost self expresses its thoughts...)

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Career ~ *CS Educator*

My path (so far...)



1993 spring
(egg) fling

91-94 High-school teacher at Evansville Day School (in IN)
94-99 Grad student and TA, Yale University
99-20 CS professor at Harvey Mudd College
05-20 Adjunct at Keck + Claremont Grad Schools



2020

New Educators Wednesday Roundtable - SIGCSE 2020

Information

Morning

Wed Mar 11,
2020

Local

8:00 - 8:45

Plan

9:00 - 9:30

Oper

9:30 - 10:15

Care

10:15 - 10:45

Job

10:45 - 11:00

Brea

11:00 - 11:30

Focu

11:30 - 12:00

CS Teaching Tips - Colleen Lew

12:00 - 1:00

Lunch with the SIGCSE Board

SIGCSE Board



Chair
Adrienne Decker
University at Buffalo
USA



At Large Member
Mary Anne Egan
Siena College
USA
maegan@siena.edu



Zachary Dodds <zdodds@gmail.com>
to Mark ▾

Mon, Mar 9, 9:44 AM (1 day ago)



We're going to do the best we can with the resources we have -

Many thanks!

- Zach



Sherriff, Mark S (mss2x) via myuva.onmicrosoft.com
to me ▾

Mon, Mar 9, 9:45 AM (1 day ago)



My friend, that's been the story of my life for the past two weeks. I'll be happy if the SIG survives this.

See you in Portland :-)

Mark

leporter@eng.ucsd.edu

thank you!