

Dagstuhl Seminar 18061 - Evidence About Programmers for Programming Language Design

**Schedule of Sessions**

<b>Monday, February 5th, 2018</b>				
Times		Session	Session Leaders	Room
Start	End			
7:30:00 AM	8:45:00 AM	Breakfast		
9:00:00 AM	10:00:00 AM	Introduction	Andreas Stefik	
10:00:00 AM	10:15:00 AM	Break		
10:15:00 AM	11:15:00 AM	Attendee Introductions	Andreas Stefik	
11:15:00 AM	12:15:00 PM	Attendee Introductions	Andreas Stefik	
12:15:00 PM	1:15:00 PM	Lunch		
1:15:00 PM	2:15:00 PM	Types of Studies	Brad Myers	
2:15:00 PM	3:30:00 PM	Non-Existence of Studies	Antii-Juhani Kaijanaho / Andy Ko	
3:30:00 PM	3:45:00 PM	Coffee and Cake		
3:45:00 PM	4:45:00 PM	Early Studies on PL stuff / Programming language cultures are relevant	Walter Tichy / Lutz Prechelt	
4:45:00 PM	5:30:00 PM	How does the PL community Design a Language?	Craig Anslow	
5:30:00 PM	6:00:00 PM	Break		
6:00:00 PM	8:00:00 PM	Dinner		

<b>Tuesday, February 6th, 2018</b>				
Times		Session	Session Leaders	Room
Start	End			
7:30:00 AM	8:45:00 AM	Breakfast		
9:00:00 AM	10:00:00 AM	PL and SE stuff	Jonathan Aldrich	
10:00:00 AM	10:15:00 AM	Break		
10:15:00 AM	11:15:00 AM	Scientists Programming	Amelia McNamara	
11:15:00 AM	12:15:00 PM	Eye Tracking in Software Engineering	Bonita Sharif	
12:15:00 PM	1:15:00 PM	Lunch		
1:15:00 PM	2:15:00 PM	Using EEG and fMRI	Igor Crk and Andrew Begel	
2:15:00 PM	3:30:00 PM	Visualizing and Interpreting Biometrics	Tanja Blascheck	
3:30:00 PM	3:45:00 PM	Coffee and Cake		
3:45:00 PM	4:45:00 PM	Comprehension of PL	Johannes Hofmeister	
4:45:00 PM	5:30:00 PM	Methodological Concepts	Briana Morrison and Brian Dorn	
5:30:00 PM	6:00:00 PM	Break		
6:00:00 PM	8:00:00 PM	Dinner		

<b>Wednesday, February 7th, 2018</b>				
Times		Session	Session Leaders	Room
Start	End			
7:30:00 AM	8:45:00 AM	Breakfast		
9:00:00 AM	10:00:00 AM	Programming by Children	Felienne Hermans	
10:00:00 AM	10:15:00 AM	Break		
10:15:00 AM	11:15:00 AM	Programmers with Disabilities	Ameer Armaly	
11:15:00 AM	12:15:00 PM	Data at Code.org	Baker Franke	
12:15:00 PM	1:15:00 PM	Lunch		

1:15:00 PM	2:15:00 PM	Activity - Hike or Trip	tour of Trier
2:15:00 PM	3:30:00 PM	Activity - Hike or Trip	
3:30:00 PM	3:45:00 PM	Activity - Hike or Trip	
3:45:00 PM	4:45:00 PM	Activity - Hike or Trip	
4:45:00 PM	5:30:00 PM	Activity - Hike or Trip	
5:30:00 PM	6:00:00 PM	Break	
6:00:00 PM	8:00:00 PM	Dinner	dinner in Trier

**Thursday, February 8th, 2018**

Times		Session	Session Leaders	Notes	Output
Start	End				
7:30:00 AM	8:45:00 AM	Breakfast			
9:00:00 AM	10:00:00 AM	Evidence in Medicine (CONSORT)	Andreas Stefik and Merlin Uesbeck		
10:00:00 AM	10:15:00 AM	Break			
10:15:00 AM	11:15:00 AM	Teacher Data	Neil Brown		
11:15:00 AM	12:15:00 PM	Compiler Errors	Brett Becker		
12:15:00 PM	1:15:00 PM	Lunch			
1:15:00 PM	2:45:00 PM	What Studies are needed, and prioritize: DISCUSSION	Small Group Discussion	private time (5 mins), share ideas (10 mins), RQ + 1 or 2 sentence descriptions for studies(25 minutes), prioritized list (most, less impactful) <a href="#">Working Document</a>	What studies will be the most impactful?
2:45:00 PM	3:30:00 PM	What Studies are needed, and prioritize: REPORT BACK	Full Group	read google docs at 2:05. explain one study from another group - quick whiparound (7 mins). Are there emerging categories? Map the studies to categories	Categorized list of studies
3:30:00 PM	3:45:00 PM	Coffee and Cake			
3:45:00 PM	4:45:00 PM	What Studies are needed, and prioritize: REPORT BACK			
4:45:00 PM	5:30:00 PM	What Studies are needed, and prioritize: REPORT BACK			
5:30:00 PM	6:00:00 PM	Break			
6:00:00 PM	8:00:00 PM	Dinner			

**Friday, February 9th, 2018**

Times		Session	Session Leaders	Room
Start	End			
7:30:00 AM	8:45:00 AM	Breakfast		
9:00:00 AM	9:15:00 AM	SIGPLAN Empirical Evaluation Checklist	Matthias Hauswirth	
9:15:00 AM	10:00:00 AM	Evidence standard discussion	Andreas Stefik	Full Group Discussion
10:00:00 AM	10:15:00 AM	Break		
10:15:00 AM	10:45:00 AM	Collect exemplars of excellent study designs & reporting	Brad Myers	
10:45:00 AM	11:15:00 AM	Collecting in-progress studies	Full Group Discussion	<a href="http://goo.gl/qFtRFk">goo.gl/qFtRFk</a>
11:15:00 AM	11:45:00 AM	Ideas for specific future collaborations	Full Group Discussion	<a href="http://goo.gl/kcXQBP">goo.gl/kcXQBP</a>
11:45:00 AM	12:15:00 PM	Where does the community go from here?	Stefik, Myers, Sharif	* future meetings? * documents?
12:15:00 PM	1:15:00 PM	Farewell Lunch		

start	duration	what	
1:15	0:05	think: quiet - brain dump - RQs	Evidence Standard: DISCUSSION
1:20	0:10	share around	Evidence Standard: REPORT OUT
1:30	0:30	Group Discuss: proposal: RQ + 1 + 2 sentence descriptions (scribe: take notes!) [baker BAKER reminder]	
2:00	0:25	(Baker Checkin: Put stuff in the google docs / prioritized)	
2:25	0:10	Reading Period (with +1ing)	
2:35	0:05	Popcorn: 1 study you saw that's top of mind	
2:40	0:05	Quick back to group: what are the categories you see?	
2:45	0:15	Whole group: (popcorn) what are the Categories here (Baker: write categories into doc) / Settle on categories	

3:00 0:10 Small Group go back to group's page and move RQ into best category (note on singletons)  
3:10 0:30 Whole Group Discuss  
3:40 0:15 BREAK  
3:55  
3:55 0:10 buddy up: pick an RQ and go there.  
4:05 0:30 prompt: (1) What evidence would convince you (or others) (2) What methods (3) what hypotheses  
4:35 0:15 add it to the doc: (1) hypotheses (2) methods  
4:50 0:10 BREAK  
5:00 0:10 Reading - find someone else you want to talk to  
5:10 0:25 buddy up: 10-min each explain study to other and ask hard questions  
5:35 0:05 Wrap up

What's the operationalized version of the RQ?  
What evidence would convince you AND/OR your partner?  
What methods would you use to collect that evidence?  
What's your prediction?