Day 1 of Dagstuhl seminar 17022 on Program Repair, 9 January 2017.

*Can we invite your thoughts on the group discussion at the end of the day? You are welcome to present a quick set of slides in the group discussion as an inpromptu talk, if you wish.*

*The google doc where you can share your ideas for group discussion at https://docs.google.com/document/d/1kwAMnDhMf4lLj1RMTdeEDbekb9EDRJAIx-K4MS8xrzs/edit?usp=sharing*

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Morning session - starts 9 am

9 am  Quick Introduction session

Talk by Andreas Zeller - How Developers Debug and Diagnose Errors

Overview talk by Claire Le Goues - Search-based Program Repair

Overview talk by Fan Long - Learning-based Program Repair

12:15 pm  Lunch
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<There should be time for a quick afternoon walk at this point>

Afternoon Session starts at 2:20 pm

Overview talk by Abhik Roychoudhury - Semantic Techniques for Program Repair

Talk by Yuriy Brun - Quality and  Applicability of Automated repair

<There should be time for a quick afternoon walk at this point>

---------------------Coffee and Cake at 3:30 pm-------------------

4-5 pm (timing is flexible)

Group discussion on community effort in program repair
(Possible topics for group discussion -
(i) Setting up Competition of Repair Tools
(ii) Introducing usage of program repair in industrial context
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## Day 2

Martin Monperrus 9 - 9:30, Antifragile software
Mukul Prasad 9:30 - 10:00, Anti-patterns in Search-based Program Repair
10:00 - 10:30 Sergey Mechtaev, Combining syntactic and semantic repair
10:30 - 10:45 coffee
10:45 - 11:15 Ciera Jaspan, Assumptions in Program Repair
11:15 - 12:15 discussion,

LUNCH (12:15 – 1:15)

1:15 - 2:15 WALK

2:15 - 2:45 Yingfei Xiong, Precise condition synthesis for program repair
2:45 - 3:15 2:30 Aditya Kanade, Deep learning for program repair
3:15 - 3:45 coffee
3:45 - 4:15  Sarfraz Khurshid, A Foundation for Testing and Debugging Declarative Programs
4:15 - 5:30 discussion