

Lorents Center's workshop on
New challenges in programming language semantics
28 November - 2 December

Location: 3rd floor Oort building, Niels Bohrweg 2, 2333 CA Leiden, The Netherlands

| | Monday 28 November 2022 | Tuesday 29 November 2022 |
|---------------|--|--|
| 9:00 – 9:30 | Opening by Lorentz Center Welcome by organizers | <i>Morning meet-up with coffee/tea</i> |
| 9:30 – 10:30 | Session on dynamic languages followed by thematic discussion <ul style="list-style-type: none"> • Amal Ahmed | Session on probabilistic programming followed by thematic discussion <ul style="list-style-type: none"> • Joost-Pieter Katoen |
| | <i>Coffee/tea break</i> | <i>Coffee/tea break</i> |
| 11:00 – 12:00 | Session on dynamic languages followed by thematic discussion <ul style="list-style-type: none"> • Neel Krishnaswami | Session on probabilistic programming followed by thematic discussion <ul style="list-style-type: none"> • Sam Staton |
| 12:00 – 1400 | <i>Lunch</i> | <i>Lunch</i> |
| 14:00 – 15:00 | Session on systems programming followed by thematic discussion <ul style="list-style-type: none"> • Nada Amin | Session on differentiable programming followed by thematic discussion <ul style="list-style-type: none"> • Michele Pagani |
| | <i>Coffee/tea break</i> | <i>Coffee/tea break</i> |
| 15:30 – 16:30 | Session on systems programming followed by thematic discussion <ul style="list-style-type: none"> • Nobuko Yoshida | Session on differentiable programming followed by thematic discussion <ul style="list-style-type: none"> • Hongseok Yang |
| | <i>Coffee/tea break</i> | <i>Coffee/tea break</i> |
| 17:00 – 17:30 | Presentations (Systems/dynamic) <ul style="list-style-type: none"> • Henning Basold | Presentations (Probabilistic/differentiable) <ul style="list-style-type: none"> • Luke Ong |
| 17:30 – 19:00 | <i>Wine and Cheese party</i> | Informal small group discussions |

| | Wednesday 30 November 2022 | Thursday 1 December 2022 |
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| 9:00 | <i>Morning meet-up with coffee/tea</i> | <i>Morning meet-up with coffee/tea</i> |
| 9:30 – 10:30 | Presentations (Systems/dynamic) <ul style="list-style-type: none"> • Einar Broch Johnsen • Jorge A. Perez | Presentations (Probabilistic/differentiable) <ul style="list-style-type: none"> • Damiano Mazza • Erika Abraham |
| | <i>Coffee/tea break</i> | <i>Coffee/tea break</i> |
| 11:00 – 12:00 | Discussion and reflection on systems and dynamic programming languages <ul style="list-style-type: none"> • Lars Birkedal | Discussion and reflection on probabilistic and differentiable programming languages <ul style="list-style-type: none"> • Ugo del Lago |
| 12:00 – 14:00 | <i>Lunch</i> | <i>Lunch</i> |
| 14:00 – 15:30 | Reflections on program semantics <ul style="list-style-type: none"> • Ohad Kammar • Frank de Boer | Reflections on program semantics <ul style="list-style-type: none"> • Lutz Schroeder • Jurriaan Rot |
| 15:30 – 16:30 | Informal small group discussions | Informal small group discussion |
| | <i>Coffee/tea break</i> | <i>Coffee/tea break</i> |
| 16:30 – 17:30 | Lightning talks <ul style="list-style-type: none"> • Matthieu Huot • Fernando Lucatelli • Hans Dieter Hiep | Lightning talks <ul style="list-style-type: none"> • Guilhem Jaber • James Laird • Georgiana Caltais • Vladimir Zamdzhiev |
| 17:30 – 19:00 | <i>Workshop dinner</i> | Informal small group discussions |

| | Friday 2 December 2022 |
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| 9:00 | <i>Morning meet-up with coffee/tea</i> |
| 9:30 – 10:30 | Panel discussion (part 1): <i>What have we seen this week?</i> <ul style="list-style-type: none"> • Marcello Bonsangue, Andrzej Murawski, and Nikos Tzevelekos |
| | <i>Coffee/tea break</i> |
| 11:00 – 12:00 | Panel discussion (part 2): <i>What have you learned from this week?</i> <ul style="list-style-type: none"> • Marcello Bonsangue, Andrzej Murawski, and Nikos Tzevelekos |
| 12:00 – 1300 | <i>Lunch</i> |

Discussion and reflection = 45 min. reflection talk followed by 15 min. discussion
Reflections = 35 min. talk presenting an author reflection on the field + 10 min. discussion
Presentation = 25 min. talk + 5 min. questions/answers
Lightning talks = 20 min. talk