Snap of the page:

Emmy Noether Research Group Lead (eq. Assistant Prof.)

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Recent News

- Together with our close collaborators at UBC, we placed 1st, 2nd, and 3rd in the ICON Challenge on Algorithm Selection. First with SATzilla, second with AutoFolio (first place on PAR10 score and number of solved instances), and third with a combination of the two. *(29 July 2015)*
- Five awards at the IPC 2014 Planning and Learning Track! Fast Downward Cedalion won the best learner award and Fast Downward SMAC won the best basic solver award. FD Cedalion also got second place in the overall best quality category, and FD SMAC got third place in the categories overall best quality and best learner.
- We placed 2nd in the AutoML track and 1st in the tweakathon track of the second round of the ChaLearn AutoML challenge.*(11 September 2015)*

Research interests

- Artificial intelligence
- Machine learning
- Optimization
- Statistics
- Empirical algorithmics

Generally speaking, my research aims to improve our ability to solve hard computational problems of importance to society and industry, by automating core parts of the scientific design and analysis of algorithms for solving such problems. I recently gave a Google tech talk on this topic; you can watch it on youtube.

Concretely, my research focuses on machine learning and optimization, both in terms of methods and applications. A recent focus of mine is AutoML, which aims to automate various parts of the machine learning pipeline (e.g. model

Snap of the HTML added:

```
<div id="newscontainer">
<div id="newsheader">Recent News</div>

<ul>
  <li>Together with our close collaborators at UBC, we placed 1st, 2nd, and 3rd in the <a href="http://challenge.icon-fet.eu/
  challengeas">ICON Challenge on Algorithm Selection</a>.
First with <a href="http://www.cs.ubc.ca/labs/beta/Projects/SATzilla/">SATzilla</a>, second with <a href="http://www.ml4aad.org
/algorithm-configuration/autofolio/">AutoFolio</a> (first place on PAR10 score and number of solved instances), and third with
a combination of the two.<span class="date"> (29 July 2015)</span></li>
  <li>Five awards at the <a href="http://www.cs.colostate.edu/~ipc2014/results.html">IPC 2014 Planning and Learning Track</a>!
  <a href="http://www.cs.colostate.edu/~ipc2014/ipcl2014description-fdcedalion.pdf">Fast Downward Cedalion</a> won the best
  learner award and <a href="http://www.cs.colostate.edu/~ipc2014/ipcl2014description-fdsmac.pdf">Fast Downward SMAC</a> won
  the best basic solver award. FD Cedalion also got second place in the overall best quality category, and FD SMAC got third
  place in the categories overall best quality and best learner. </li>
  <li>We placed 2nd in the AutoML track and 1st in the tweakathon track of the second round of the <a href="https://sites.
  google.com/a/chalearn.org/automl/">ChaLearn AutoML challenge</a>.<span class="date">(11 September 2015)</span></li>
</ul>

</div>
```

CSS:

```css
#newsheader {
    position: relative;
    font-size: medium;
    color:#303030;
    letter-spacing: 0px;
    background: #C0C0C0;
    text-align: left;
    padding: 3px 0px 2px 2px;
    margin-top: 0px;
    margin-bottom: 0px;
}

#newscontainer {
    background: #D8D8D8;
    border: solid 0.5px #B0B0B0;
    padding: 0px 0px 2px 0px;
}

#newscontainer li{
    line-height: 100%;
    font-size: 13.5px;
    font-family: "Cambria", Georgia;

}
```