



**Deep Learning Program Opening Workshop**  
**August 12-16, 2019**  
**TENTATIVE SCHEDULE**

**Monday, August 12<sup>th</sup>**

*Gross Hall Auditorium, Duke University*

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|-------------|--|
| 8:30        | Registration   |
| 8:50-9:00   | <b>David Banks</b> , Samsi Director and Duke University<br><i>"Welcome"</i>  |
| 9:00-9:40   | <b>Xiaoming Huo</b> , Georgia Institute of Technology<br>TBD   |
| 9:40-10:20  | <b>Amitabh Basu</b> , Johns Hopkins University<br><i>"Admissibility of Solution Estimators for Stochastic Optimization"</i>        |
| 10:20-10:50 | Coffee   |
| 10:50-11:30 | <b>Harrison Zhou</b> , Yale University<br><i>"Statistical and Computational Guarantees of EM with Random Initialization"</i>       |
| 11:30-12:10 | <b>Poh-Ling Loh</b> , University of Wisconsin<br><i>"Robustness of Neural Networks: Adversarial vs. Statistical Perturbations"</i> |
| 12:10-1:40  | Lunch on your Own  |
| 1:40-2:20   | <b>Xiuyuan Cheng</b> , Duke University<br>TBD  |
| 2:20-3:00   | <b>Anindya Bhadra</b> , Purdue University<br>TBD   |
| 3:00-3:30   | Coffee   |
| 3:30-4:10   | <b>Mikhail Belkin</b> , Ohio State University<br>TBD   |
| 4:10-4:50   | <b>Andrew Zammit Mangion</b> , University of Wollongong<br>TBD   |
| 4:50-5:30   | <b>Shih-Kang Chao</b> , University of Missouri<br>TBD  |
| 5:30-7:00   | Posters and Reception  |

## **Tuesday August 13<sup>th</sup>**

*Gross Hall Auditorium, Duke University*

- 9:00-9:40     **Larry Carin**, Duke University  
TBD
- 9:40-10:20   **Zuofeng Shang**, Indiana University  
TBD
- 10:20-10:50   Coffee
- 10:50-11:30   **Junier Oliva**, University of North Carolina at Chapel Hill  
TBD
- 11:30-12:10   **Rui Song**, N.C. State University  
TBD
- 12:10-1:40    Lunch on your Own
- 1:40-2:20     **Faming Liang**, Purdue University  
TBD
- 2:20-3:00     **Wyatt Bridgman** and **Sorin Mitran**, University of North Carolina at Chapel Hill  
TBD
- 3:00-3:30     Coffee
- 3:30-4:10     **Bianca Dumitrascu**, SAMSI/Princeton  
TBD
- 4:10-4:50     **Deborshee Sen**, SAMSI/Duke  
TBD
- 4:50-5:30     Panel on Open Questions

## **Wednesday August 14<sup>th</sup>**

*Gross Hall Auditorium, Duke University*

- 9:00-9:40     **Rebecca Willet**, University of Chicago  
TBD
- 9:40-10:20   **Deanna Needell**, UCLA  
*“Deep Models for Improved Topic Recovery”*
- 10:20-10:50   Coffee
- 10:50-11:30   **Johannes Schmidt-Hieber**, University of Twente  
TBD

- 11:30-12:10 **Yao Chen**, Georgia Institute of Technology  
TBD
- 12:10-1:40 Lunch on your Own
- 1:40-2:20 **Quoc Tran-Dinh**, University of North Carolina at Chapel Hill  
TBD
- 2:20-3:00 **Guang Cheng**, Purdue University  
“*Modern Statistical Theory Inspired by Deep Learning*”
- 3:00-3:30 Coffee
- 3:30-4:10 **Jianqing Fan**, Princeton University  
TBD
- 4:10-4:50 **Guanghui (George) Lan**, Georgia Institute of Technology  
TBD
- 4:50-5:30 Working Group Formation

**Thursday August 15<sup>th</sup>**

*Gross Hall Breakout Rooms, Duke University*

- 9:00-5:30 Working Groups Meet
- 12:30-1:30 Lunch on Your Own

**Friday August 16<sup>th</sup>**

*Gross Hall Auditorium, Duke University*

- 9:00-10:30 Working Group Leaders: describe research plans
- 10:30-11:00 Coffee
- 11:00-11:45 Working Group Leaders: describe research plans
- 11:45-12:00 Closing Remarks
- 12:15 Shuttle to RDU Airport