AGENDA

# Center for Computational Astrophysics

**Flatiron Institute**

# Photometric Classification Challenge Workshop

## July 14, 2017

## Host: Stephen Feeney, Renee Hlozek

**Wi-Fi:**

**Password:**

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| 10:30 AM – 11:00 AM | Breakfast | Math for America, 915 Broadway 17th Floor |
| 11:00 AM – 11:20 AM | Welcome and Introduction: Renee Hlozek | Math for America, 915 Broadway 17th Floor |
| 11:20 PM – 11:40 AM | Overview and Summary of Nois and Model Overview:Rick Kessler | Math for America, 915 Broadway 17th Floor |
| 11:40 AM – 12:00 PM | **Model Discussion**  What information will be shared with the broader community?  What flags will make the challenge attractive to audiences beyond astronomy?  GOAL: Hack together a model announcement document over working lunch. | Math for America, 915 Broadway 17th Floor |
| 12:00 PM – 1:00 PM | **Lunch** | Math for America, 915 Broadway 17th Floor |
| 1:00 PM – 1:20 PM | **Kaggle as Hosting Platform: Emille Ishida** | Math for America, 915 Broadway 17th Floor |
| 1:20 PM – 1:40 PM | Partnerships with Other Groups:Ashish Mahabal + Rafael Martinez | Math for America, 915 Broadway 17th Floor |
| 1:40 PM – 2:30 PM | Generation Discussion How to interface different codes for generating light curves with SNANA?  What data sizes are we expecting and how should the data be hosted?  What computational resources do we expect participants to have?  Feasibility of running codes on data remotely? | Math for America, 915 Broadway 17th Floor |
| 2:30 PM – 2:50 PM | **Supernova Metrics for PLAsTiCC: Michelle Lochner** | Math for America, 915 Broadway 17th Floor |
| 2:50 PM – 3:10 PM | **Metrics for Transients and Variable Stars More Generally: Federica Bianco** | Math for America, 915 Broadway 17th Floor |
| 3:10 PM | **Coffee Break** | Math for America, 915 Broadway 17th Floor |
| 3:40 PM – 5:00 PM | **Metrics and Awards Discussion**  How do we construct different ways of ‘winning’ the challenge? Discussion of tiered prizes.  Quantitative metrics and metric combination.  Building in early classification rewards into the challenge. | Math for America, 915 Broadway 17th Floor |
| 5:00 PM | **Wrap-up Discussion** | Math for America, 915 Broadway 17th Floor |
| 6:00 PM | **Group Dinner** | Kat & Theo  5 W. 21st Street |