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# Analytic Methods in Complex Geometry

7 – 11 August 2023 | University of Münster, Germany

In the past two years, we have seen spectacular developments in elliptic PDE methods applied to complex geometry. Highlights include the  $L^\infty$  estimates for solutions to complex Monge-Ampère equations due to Guo-Phong-Tong and Li's proof of the SYZ conjecture for Fermat hypersurfaces. This conference aims to provide an opportunity for the field to discuss and disseminate these recent advances.

## Speakers

**Ethan Addison** (Stony Brook)  
**Shih-Kai Chiu** (Oxford)  
**Ronan Conlon** (UT Dallas)  
**Tamas Darvas** (UMD)  
**Slawomir Dinew** (Kracow)  
**Eleonora di Nezza** (Paris)  
**Henri Guenancia** (Toulouse)

**Eveline Legendre** (Toulouse)  
**Claude LeBrun** (Stony Brook)  
**Yang Li** (MIT)  
**Hongyi Liu** (UC Berkeley)  
**Heather Macbeth** (Fordham)  
**Nick McCleerey** (Michigan)  
**Annamari Ortu** (SISSA)

**Tristan Ozuch** (MIT)  
**Duong Phong** (Columbia)  
**Sisi Shen** (Columbia)  
**Jian Song** (Rutgers)  
**Marcin Sroka** (Jagiellonian)  
**Ioana Suvaina** (Vanderbilt)  
**Freid Tong** (Harvard)  
**Qi Yao** (Münster)

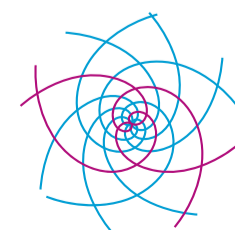
## Organisers

Bianca Santoro (WWU Münster)  
Gabor Szekelyhidi (Northwestern)  
Valentino Tosatti (NYU)



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