

# Euler 2011

*The tenth annual meeting of the Euler Society*



**Carthage College — 25-27 July 2011**

## **Schedule of Events**

All events are in the Niemann Media Theater in the lower level of Hedberg Library, unless otherwise noted.

---

### **Monday :: 25 July**

*Erik Tou, Morning Session Chair*

- 8:30-9:00** Continental Breakfast
- 9:00-9:15** Welcome and Introductions
- 9:15-10:05** Larry D'Antonio, Ramapo College :: *The Mind is Confusedly Omniscient: Euler and the Causality Debates of the Enlightenment*
- 10:15-10:35** Michael Saclolo, St. Edward's University :: *Equilibrium According to Euler*
- 10:45-11:05** **Morning Break**

**11:05-11:55** Stacy Langton, University of San Diego :: *What did Johann Bernoulli mean by the "eddy"?*

**12:05-1:30** **Lunch Break**

*Larry D'Antonio, Afternoon Session Chair*

**1:30-1:50** Dominic Klyve, Central Washington University :: *The Euler Society: Scholarship and Mission in the Next 10 Years*

All are encouraged to join in this session on the future of the Euler Society. In particular, we will discuss the new Euler Medal and the growing body of translations of Euler's works.

**2:00-2:50** Sandro Caparrini, IHPST at University of Toronto :: *A Few Words About Clifford Ambrose Truesdell (1919-2000)*

**3:00-3:30** **Afternoon Break**

**3:30-3:50** Emil Sargsyan :: *Proofs & Priorities in Euler's Manifold Demonstrations of the Basel Problem*

**4:00-4:20** Joseph McAlhany :: *Mind Over Matter: Euler's Enodatio*

**4:30-5:30** **Readings from Original Sources (I)**

---

## **Tuesday :: 26 July**

*Michael Saclolo, Morning Session Chair*

**8:30-9:00** Continental Breakfast

**9:00-9:50** Dominic Klyve, Central Washington University :: *Euler's Letters to a German Princess: Translation and Betrayal*

**10:00-10:20** Brian Schwartz, Carthage College :: *A precision test of the inverse square law of gravity: Euler's Lunar calculations (and mis-calculations) for the eclipses of 1748*

**10:30-11:00** **Morning Break**

**11:00-11:50** **The Euler Lecture: Rob Bradley**, Adelphi University :: *Involutes from Huygens to Euler*

**12:15-1:30** **Lunch Break**

*Dominic Klyve, Afternoon Session Chair*

- 1:30-1:50** Mark Snavelly :: *Proof of Fermat's Theorem That Every Prime Number of the Form  $4n+1$  is the Sum of Two Squares*
- 2:00-2:50** James Harper, Central Washington University :: *Understanding Euler's Formula for the Sum of Three Cubes*
- 3:00-3:30** **Afternoon Break**
- 3:30-3:50** Emma Sorrell, Carthage College :: *Fluid mechanics in Euler's "Recherches sur le mouvement des rivières"*
- 4:00-4:20** Chukwugozie Maduka, University of Benin, Nigeria :: *Comparability of Use of Euler and Venn Diagrams for Proof of Validity in Classical Logic*
- 4:30-5:30** **Readings from Original Sources (II)**

## **Wednesday :: 27 July**

*Benjamin V. C. Collins, Morning Session Chair*

- 8:30-9:00** Continental Breakfast
- 9:00-9:50** Fred Rickey, USMA – West Point :: *The Impact of Ballistics on Mathematics*
- 10:00-10:30** **Morning Break**
- 10:30-11:20** Justin Schroeder, Vanderbilt University :: *Euler's Orthogonal Latin Square Conjecture*
- 11:30-1:00** **Lunch**
-