

My Personal Path to a Third Summer in the LTC



Melia Bonomo

LTC NSF-REU Fellow Summer 2012

Dickinson College '13

LTC Mentor Summer 2013

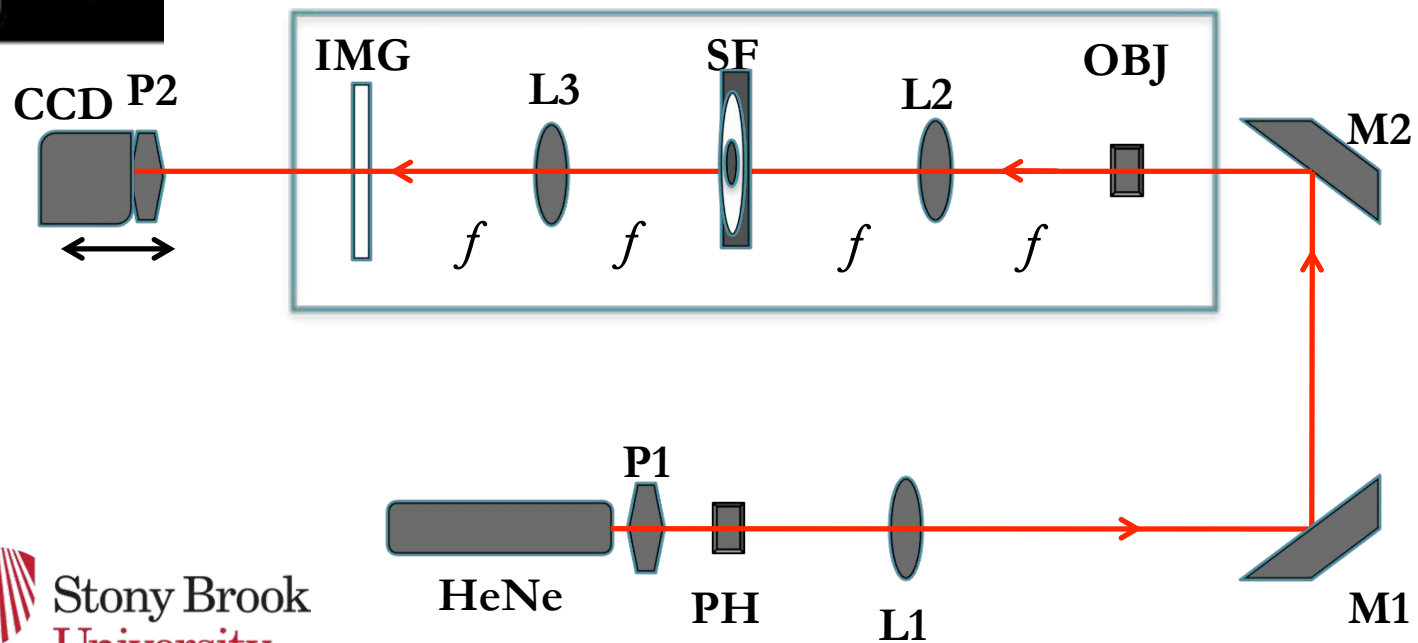
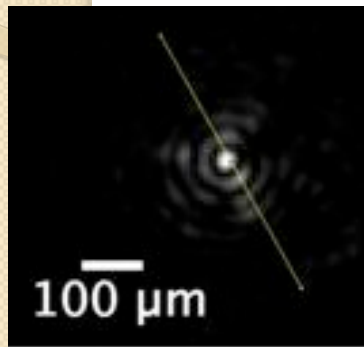
English Teaching Assistant 2013-2014

LTC Mentor Summer 2014



LTC NSF-REU Summer 2012

Creating Bessel beams with a 4- f spatial filter

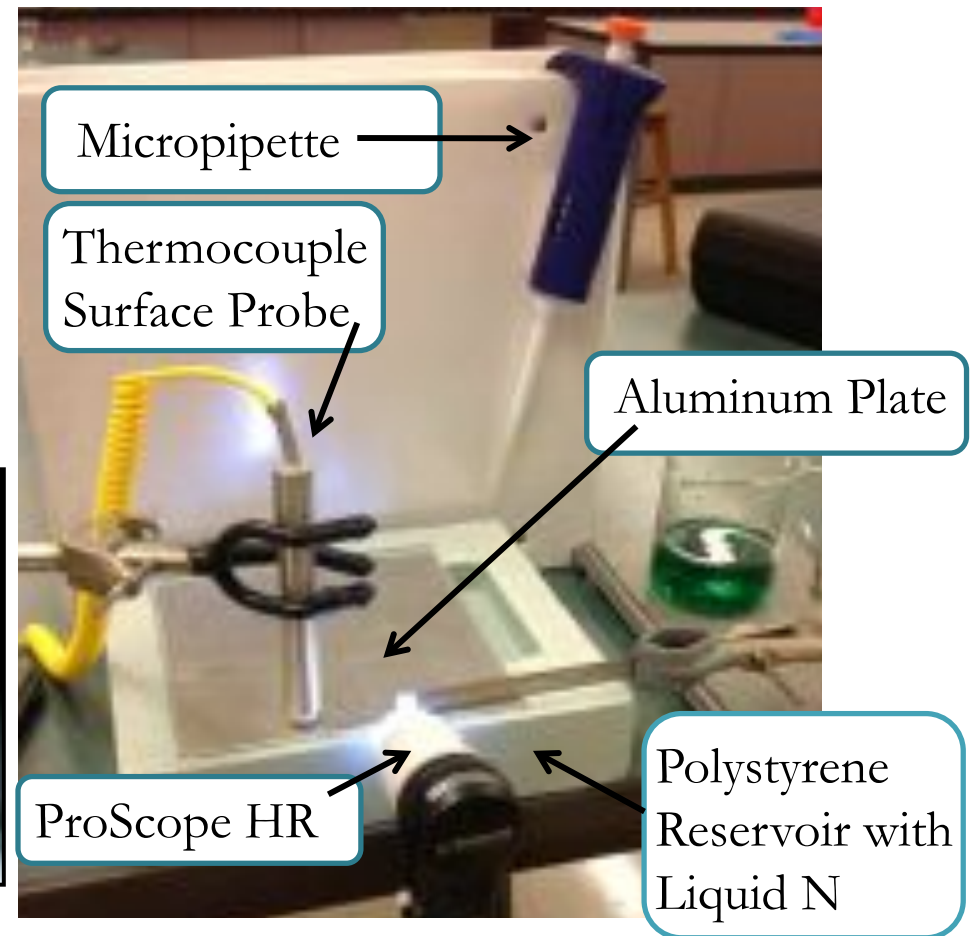
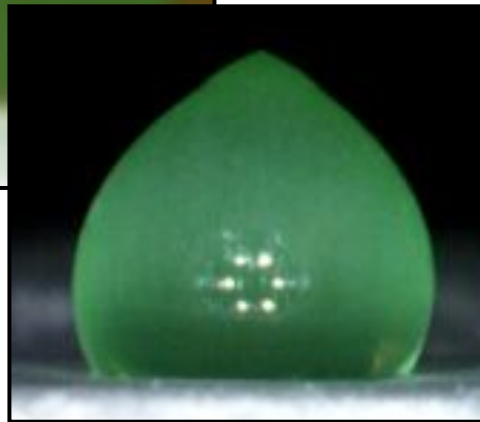
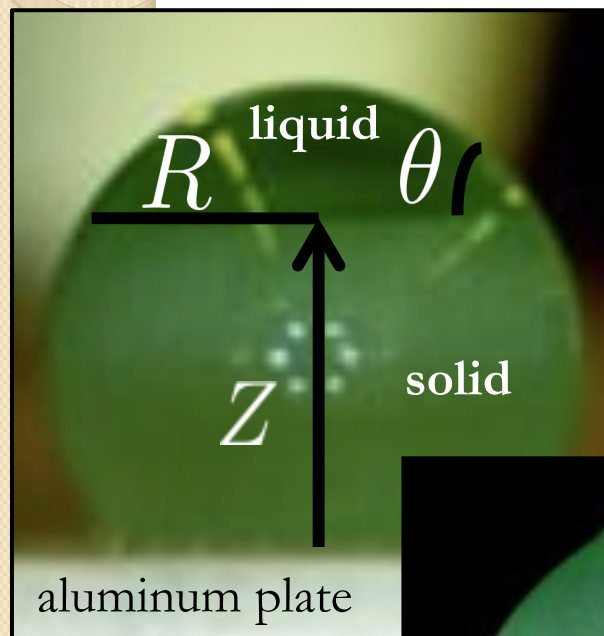


Stony Brook
University

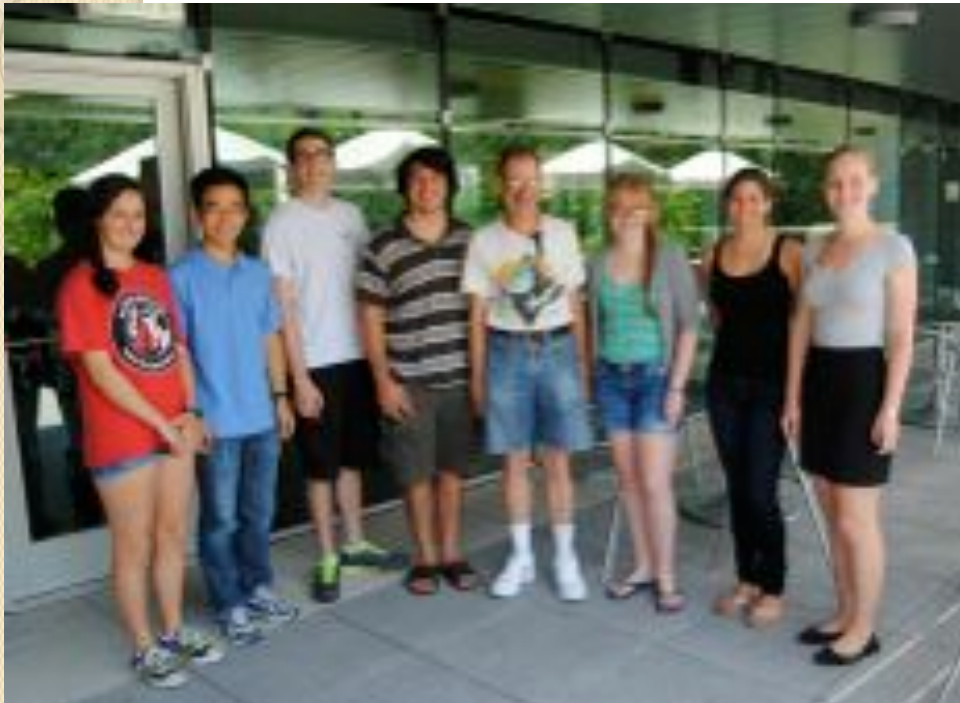
<http://laser.physics.sunysb.edu/~melia/Summer2012.html>

Dickinson College 2012-2013

Analyzing the singularities of freezing sessile water droplets



LTC Mentor Summer 2013



- Advised individual student projects
- Researched new devices
- Organized records of events and resources

<http://laser.physics.sunysb.edu/~melia/Summer2013.html>

English Teaching Assistant 2013-2014

S.I.T.E. Lombardy Internship
(study, intercultural training and experience)



I.I.S. LUCA PACIOLI
Istituto di Istruzione Superiore

 Ministero dell'Istruzione,
dell'Università e della Ricerca

 Ufficio
Scolastico
per la
Lombardia

Crema, Italy

1. *Liceo Scientifico Leonardo Da Vinci*
 2. *Istituto di Istruzione Superiore Galileo Galilei*
- Three types of schools:
 - *Liceo*
 - *Istituto tecnico*
 - *Istituto professionale*



A couple of other differences...

- High school is 5 years, **British English** is mandatory
- Measurements at the market:
 - Fruits and Vegetables in “*chilo*” **kilograms**
 - Meat and cheese are measured in “*etto*” **hectograms**
- Ordering a coffee:
 - “*Caffé*”
 - “*Caffé americano*”
 - “*Caffé corretto*” ...

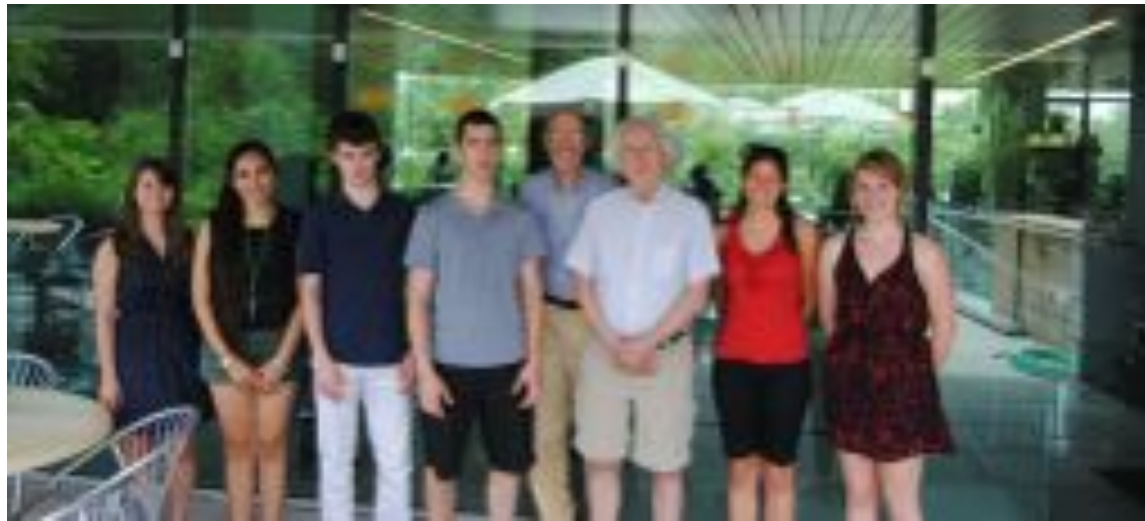




Physics and Math Lessons

- The challenge: crafting interesting and interactive lessons tailored to English language learners
- Example topics:
 - Derivatives and Integrals
 - Gravitation
 - Electric Field
 - Matrices
 - Goniometry
 - Probability

LTC Mentor Summer 2014



in progress...