



# Jesse Pompa

## M.S. 2006



Performance of Miniature IC  
Engines

# Mixing Flows in a Converging Curved Duct



Nicola Sarzi-Amade  
M.S. 2007



Formation Temperature of  
Ammonium Bisulfate at  
Simulated Air Preheater  
Conditions

Yun (Julianna) Wei  
M.S. 2007





An Investigation of Self-Induced Instabilities in a Low-Swirl Burner

Soulak Abbilian

(Tsolag Apelian)

M.S. 2008



# Adam Jepsen

## M.S. 2009

Characterization of  
Dynamic, Surfactant-free  
Emulsions





De Ly  
M.S. 2009

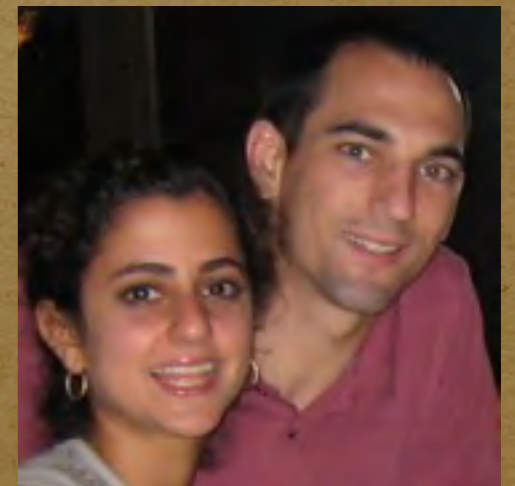
Analysis of Potential for Quantum  
Cascade Laser Measurements of  
Carbon Monoxide under Realistic  
Combustion Conditions



# Shawn Maghzi

## M.S. 2009

Design, Construction, and  
Testing of an Entrained  
Flow Reactor for Coal





Numerical Simulation of an  
Air Preheater Channel  
(project)

Alireza Mirsepassi  
M.S. 2009





# Michael Tran

## M.S. 2010

Optical Diagnostics to  
Characterize the Sooting  
Propensity of Biofuel-Diesel  
Diffusion Flames





# Armin Karimi

## M.S. 2010

Thermal Deformation Analysis of  
Modular Mirrors





# Jae Lim

## M.S. 2010

Performance Mapping of a  
Small-Scale Water-Cooled 4-  
stroke Engine: Potential for  
HCCI Operation





In Situ Characterization of  
ABS Formation in a Model Air  
Preheater Channel

Jennifer Menasha  
M.S. 2010





Feeding Pulverized Coal for  
Char Burnout Studies  
(project)

Mercedes Palencia  
M.S. 2010



# Scott Toma

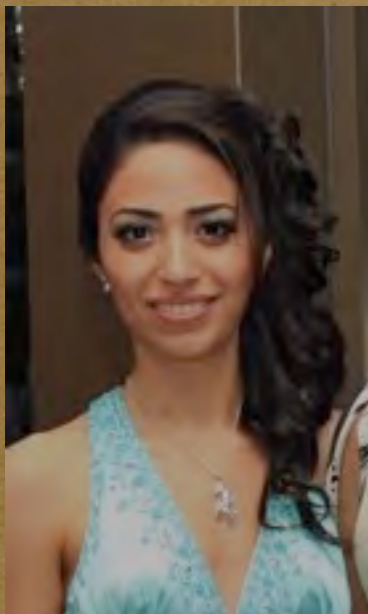
## M.S. 2011

Comparison of the Dynamic  
Response of a Tooth Between a  
High Speed Drill and Dental Laser



# Combustion of Fuel Hydrates (project)

Melika Roshandell  
M.S. 2011





Attempts to Model  
Electrical Field Effects on  
Flames (project)

Hui-Ju (Ruby) Tsai  
M.S. 2011





# Ferran Marti Duran

M.S. 2012

Droplet Evaporation in an Active  
Grid Turbulence Wind Tunnel

