

## Arnaldo A. Negron Marty

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### EDUCATION

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Georgia Institute of Technology, Atlanta, GA August 2013- Present  
Pursing a Ph.D. in Chemical and Biomolecular Engineering  
Advisor: Dr. Athanasios Nenes

University of Puerto Rico, Mayaguez, PR August 2008 – May 2013  
B.S. in Chemical Engineering  
FE Examination – PR, April 2013 (EIT)

### EXPERIENCE

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**Undergraduate Summer Research Internship, MRSP, MIT** June 2012 – Aug.2012  
Department of Chemical Engineering, Klavs F. Jensen, Ph.D.  
Indirect catalyzed oxidation reactions to improve production of Nylon-6 monomers in such a way that found high selectivity ketone production in indirect Cyclohexanol oxidation.

**Undergraduate Research, University of Puerto Rico, Mayaguez** January 2012 – May 2013  
Department of Chemical Engineering, David Suleiman, Ph.D., PE  
Nanoindentation & analysis of mechanical properties in SIBS Triblock Copolymers resulting in a relation between selectivity and transport properties of different sulfonated level SIBS membranes.

Department of Chemistry, Luis A. Rivera Montalvo, Ph.D. January 2010 - December2011  
Intensified synthesis & characterization of ZnO nanoparticles for enhanced singlet oxygen production in such way that reduced on 50% time of reaction and improved singlet oxygen production.

### PUBLICATIONS

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David Suleiman, Agnes M. Padovani, **Arnaldo A. Negron**, et.al, Mechanical and Chemical Properties of Poly(styrene-isobutylene-styrene) Block Copolymers: Effect of Sulfonation and Counter Ion Substitution, *Journal of Applied Polymer Science*, In Review.

Ulrich Neuenschwander, **Arnaldo Negron**, and Klavs F. Jensen, A Clock Reaction Based on Molybdenum Blue, *Journal of Physical Chemistry A* 2013 117 (21), 4343-4351.

## **MEMBERSHIPS & LEADERSHIP**

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2012-2013 American Institute of Chemical Engineers, UPRM Chapter

2011-2013 National Society of Professional Engineers, UPRM Chapter

Operations Team Active Member

August 2011 - December 2011

Worked on planning and development of activities as fundraising and others that foster professional growth of members

2011-2013 Tau Beta Pi, PR-A Chapter

Chemical Engineering Representative

January 2013 - May 2013

## **HONORS AND AWARDS**

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Recipient of Georgia Tech President Scholarship

August 2013 - present

Honor Student of UPR Mayaguez Campus

December 2008 - May 2013

Recipient of Medtronic Scholarship Program

August 2008 - May 2012

## **LANGUAGE SKILLS**

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Spanish & English