

Eyad Said

Department of Mathematic
Louisiana State University
Baton Rouge, Louisiana 70803

Phone: (225) 205 5658
Email: esaid1@lsu.edu
Website: www.math.lsu.edu/~esaid1/

Education

- 2018 **Ph.D. in Mathematics**, Louisiana State University, Advisor: Robert Lipton.
Dissertation Title: "Non-local Methods in Fracture Dynamics"
- 2015 **Ms. in Mathematics**, Louisiana State University.
- 2007 **Ms. in Banking and Finance**, University of Damascus.
- 2005 **Post Graduate Diploma in Mathematics**, University of Damascus.
- 2004 **Ms. in Banking and Finance**, University of Damascus.
- 2000 **B.S. in Mathematics**, University of Damascus.

Publications

Journals

- [1] *Free Damage Propagation With Memory* (Joint work with Robert Lipton and Prashant Jha) Submitted to Journal Of Elasticity (In editing)

Book Chapters

- [1] *Energy Balance and Damage Modeling using Dissipation Potentials for State Based Peridynamic Fracture Evolution.*(R. Lipton & E.Said). To appear in Handbook of Nonlocal Continuum Mechanics for Materials and Structures. Springer.
- [2] *Dynamic brittle fracture from non-convex potentials.*(R. Lipton & E.Said). To appear in Handbook of Nonlocal Continuum Mechanics for Materials and Structures. Springer.

Grants and Awards

- Spring 2013 Certificate Of Teaching Excellence
- Fall 2013 Certificate Of Teaching Excellence
- Summer 2015 NSF EPSCOR Cooperative Agreement No. EPS-1003897 with additional support from the Louisiana Board of Regents.
- Summer 2016 NSF EPSCOR Cooperative Agreement No. EPS-1003897 with additional support from the Louisiana Board of Regents.

Talks

- [1] Computational Fracture Mechanics Symposium, 13th U.S. National Congress on Computational Mechanics, San Diego, California. *Cohesive Dynamics For Quasibrittles Fracture*, July 2015.
- [2] AMS Contributed Paper Session On Applied Mathematics, Joint Math Meetings, San Diego, California. *Free Damage Propagation With Memory*, January 2018.

Teaching

- Spring 2018 Supplemental instructor, **Calc I, Calc II**, Engineering Residential College
- Fall 2017 Supplemental instructor, **Calc I, Calc II**, Engineering Residential College
- Summer 2017 instructor, **Calc I**, Department of Mathematics
- Spring 2017 instructor, **Diff. Equations and Linear Algebra**, Department of Mathematics
- Fall 2016 instructor, **College Algebra**, 3 sections, Department of Mathematics
- Spring 2016 Supplemental instructor, **Calc I, Calc II**, Engineering Residential College
- Fall 2015 Supplemental instructor, **Calc I, Calc II**, Engineering Residential College
- Spring 2015 Supplemental instructor, **Calc I, Calc II**, Engineering Residential College
- Fall 2014 Supplemental instructor, **Calc I, Calc II**, Engineering Residential College
- Spring 2014 instructor, **Calc II**, Department of Mathematics
- Fall 2013 instructor, **Calc I**, Department of Mathematics
- Spring 2013 lab instructor & grader **Calc I** Department of Mathematics

Services and Outreach

- Summer 2015 Instructor at the *Math Circle* program in LSU
- Fall 2014 Officer & Presenter at *LSU Student Chapter of SIAM*
- Spring 2013 Officer & Presenter at *LSU Student Chapter of SIAM*
- Fall 2013 Presenter at *GEAUX Mathematics*, Graduate Students Orientation

References

- [1] Robert Lipton, LSU, Department of Mathematics, lipton@math.lsu.edu
- [2] Stephen Shipman, LSU, Department of Mathematics, shipman@math.lsu.edu
- [3] Gestur Olafsson, LSU, Department of Mathematics, olafsson@math.lsu.edu
- [4] James Oxley, LSU, Department of Mathematics, oxley@math.lsu.edu