

BENJAMIN A. LEVY, PhD

ASSOCIATE PROFESSOR OF MATHEMATICS
Fitchburg State University

QUANTITATIVE RESEARCH SCIENTIST
National Oceanic and Atmospheric Administration

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PROFESSIONAL EXPERIENCE

2021-present	QUANTITATIVE RESEARCH SCIENTIST National Oceanic and Atmospheric Administration (NOAA) Northeast Fisheries Science Center, Woods Hole, MA
2020-present 2016-2020	ASSOCIATE PROFESSOR OF MATHEMATICS ASSISTANT PROFESSOR OF MATHEMATICS Fitchburg State University, Fitchburg, MA
2014-2016	GRADUATE RESEARCH ASSOCIATE National Institute for Mathematical and Biological Synthesis (NIMBioS) University of Tennessee, Knoxville, TN
2010-2014	GRADUATE TEACHING ASSOCIATE Department of Mathematics University of Tennessee, Knoxville, TN
2008-2010	MATH & SCIENCE FACULTY Departments of Mathematics and Science Rumsey Hall Junior Boarding School, Washington Depot, CT

EDUCATION

2016	Ph.D in Mathematics, University of Tennessee Thesis: "Modeling Feral Hogs in Great Smoky Mountains National Park" Concentration: Mathematical Ecology Supporting Areas: Numerical Analysis and Differential Equations Advisors: Dr. Suzanne Lenhart and Dr. Charles Collins
2013	M.S. in Mathematics, University of Tennessee
2008	B.A. in Mathematics, Franklin and Marshall College Minor: Philosophy

RESEARCH INTERESTS

Applied Mathematics	Infectious Disease Modeling	Parameter Estimation
Mathematical Biology	Population Modeling	Fisheries Modeling
Statistical Modeling	Distribution Modeling	Undergraduate Research

PUBLICATIONS

IN PROGRESS

Levy, B., Legault, C., Brooks, E., and Miller, T. *Modeling Spatial Preferences and Stock Trends of Atlantic Fish Under the Pressures of Climate Change*. In Progress.

Saucedo, O., Prosper, O., Levy, B., Tang, T., Laubmeier, A., and Asik, L. *Impact of Data Structure, Availability and Noise Distribution on Practical and Structural Identifiability of an SEIR Model*. In Progress.

Welsh, D., Ludlam, P., Downs, E., Gordon, E., Clark, E., Levy, B., Huang, J., and O'Connor, A. *Stream Fish Community Structure Across an Urban Gradient*. Submitted August 2022.

JOURNAL ARTICLES

Edholm, C., Levy, B., Spence, L., Agosto, F., Chirove, F., Chukwu, W., Goldsman, D., Kgosimore, M., and Maposa, M. *A vaccination model for COVID-19 in Gauteng, South Africa*. *Infectious Disease Modelling*. 7.3: 333-345, (2022).

Levy, B., Windoloski, K., and Ludlam, J. *Matrix and Agent-Based Modeling of Threats to a Diamond-backed Terrapin Population*. *Mathematical Biosciences*. p.108672, (2021)

Burton, D., Lenhart, S., Levy, B., Edholm, C., Washington, M., Greening, B., White, J., Lungu, E., Chimbola, O., Kgosimore, M., Chirove, F., and Machingauta, H. *A Mathematical Model of Contact Tracing During the 2014-2016 West African Ebola Outbreak*. *Mathematics*. 9.6: 608-629, (2021)

Levy, B., Lenhart, S., Collins, C., and Stiver, W. *Evidence for Multiple Transmission Routes for Pseudorabies in Wild Hogs*. *Springer Series: Mathematics of Planet Earth, Infectious Diseases and our Planet*. 37-56 (2021)

Levy, B., Correia, H., Ronoh, M., Chimbola, O., Kgosimore, M., Chirove, F., Abebe, A., Machingauta, H., Lenhart, S., and White, J. *Modeling the Effect of HIV/AIDS Stigma on HIV Infection Dynamics in Kenya*. *Bulletin of Mathematical Biology*. 83.5: 1-25, (2021)

Edholm, C., Levy, B., Le Fevre, S., Lenhart S., Marijani, T., Yakubu, A., and Nyabadza, F. *A Risk Structured Mathematical Model of Buruli Ulcer Disease in Ghana*. *Mathematics of Planet Earth, Springer, Cham*: 109-128, (2019).

Levy, B., and A. Odoi. *Exploratory Investigation of Region Level Risk Factors of Ebola Virus Disease in West Africa*. *PeerJ* 6: e5888, (2018).

Levy, B., Edholm, C., Lenhart, S., Gaoue, O., Kgosimore, M., Lungu, E., Nyabadza, F. and Marijani, T. 2017. *Modeling the Role of Public Health Education in Ebola Virus Disease Outbreaks in Sudan*. *Infectious Disease Modelling* 2.3: 323-340, (2017).

Levy, B., Collins, C., Lenhart, S. and Stiver, W. *Evaluating Wild Hog Preferences to Guide Control Strategies in the Great Smoky Mountains National Park*. *Natural Resource Modeling* 30.3: e12132, (2017).

Hujoel, M., Dantzler, A., Parkman, V., Wild, A., Levy, B., Lenhart, S. and Wilkes, R. *Canine Distemper Outbreak Modeled in an Animal Shelter*. *Letters in Biomathematics* 3.1: 13-28, (2016).

Levy, B., Collins, C., Lenhart, S., Madden, M., Corn, J., Salinas, R. and Stiver, W. *A Metapopulation Model for Feral Hogs in Great Smoky Mountains National Park*. *Natural Resource Modeling* 29.1: 71-97, (2016).

JOURNALS REFEREED

- | Mathematics
- | Journal of Theoretical Biology
- | PLOS One
- | SIAM Undergraduate Research Online (SIURO)
- | Problems, Resources, and Issues in Mathematics Undergraduate Studies (PRIMUS)
- | Frontiers in Ecology and Evolution

GRANTS

- 2022 | XSEDE COMPUTING STARTUP REQUEST
Requested 50,000 core-hours and 500 GB of storage for computational work • Awarded
- 2020 | NSF U.S.-AFRICA COLLABORATIVE RESEARCH NETWORK
Senior personnel on the grant • Requested \$250,000 over 3 years • Awarded
- 2020 | FITCHBURG STATE UNIVERSITY SPECIAL PROJECTS GRANT
Requested research-related course release • Awarded
- 2019 | Requested research-related course release • Awarded
- 2017 | Requested \$1760 for student support • Awarded
- 2019 | FITCHBURG STATE UNIVERSITY TRAVEL GRANT
Awarded \$500 towards travel to Malawi in November 2019
- 2017 | Awarded \$300 towards travel to Tanzania in November 2017
- 2019 | AMERICAN MATHEMATICAL SOCIETY AND SIMON'S FOUNDATION EARLY CAREER TRAVEL GRANT
Requested \$4000 for research travel • Denied
- 2017 | Requested \$4000 for research travel • Denied
- 2019 | MARION AND JASPER WHITING FOUNDATION TRAVEL GRANT
Requested \$2350 for research travel • Denied
- 2017 | Requested \$1650 for research travel • Denied
- 2018 | PIF GRANT TO DEVELOP A QUANTITATIVE REASONING COURSE (MATH 1100) AND ITS CO-REQ
Awarded \$3167 from March-August 2018
- 2016-2017 | PROJECT NEXT FELLOWSHIP
Mathematical Association of America
- 2014-2016 | NATIONAL INSTITUTE FOR MATHEMATICAL & BIOLOGICAL SYNTHESIS
GRADUATE RESEARCH ASSISTANTSHIP
NIMBioS at the University of Tennessee

PRESS

- 2020 | Featured in Lowell Sun newspaper article titled "Social separation called our best defense at present"
- 2020 | Fitchburg State Library's Faculty Spotlight for the Month of February
- 2020 | Research trip to Malawi was featured in Worcester Telegram & Gazette newspaper article "Fitchburg State student attends forum in Africa"

TEACHING EXPERIENCE

- 2019 | Mathematical Modeling (Fitchburg State)
- 2018-2022 | Methods of Applied Mathematics (Fitchburg State)
- 2017 & 2021 | Operations Research (Fitchburg State)
- 2018-2020 | Linear Algebra (Fitchburg State)
- 2014-2022 | Calculus I (Tennessee & Fitchburg State)
- 2019 & 2021 | Seminar in Mathematics (Fitchburg State)
- 2014-2022 | Precalculus (Tennessee & Fitchburg State)
- 2016 | ACT Preparation (Tennessee)
- 2011-2012 | Mathematical Reasoning (Tennessee)
- 2010-2011 | Algebra I & II (Rumsey Hall)
- 2008-2010 | 8th Physical Science (Rumsey Hall)
- 2008-2010 | 6th Grade Earth Science (Rumsey Hall)

UNDERGRADUATE MENTORING EXPERIENCE

- 2022 | Davis, C.
A Zoonotic Compartmental Model for Visceral Leishmaniasis Disease
I am the faculty mentor for this senior honors project.
- 2022 | Mathews, K.
A Mathematical View of the Supply and Demand of Product Industries During Covid-19
I am the faculty mentor for this senior honors project.
- 2019 | Foster, M.
Modeling the Role of Stigma on HIV/AIDS Dynamics in Kenya
Matt and I traveled to the Masamu Advanced Study Institute in Blantyre, Malawi.
- 2019 | Melus, E. & Titus, O.
Modeling Contaminants in the Nashua River Watershed
Distribution modeling project started during summer and continued into school year.
Work was presented to community and will be included in future publication.
- 2018 | Windoloski, K.
Matrix and Agent Based Modeling of Diamondback Terrapins
Project funded by internal grant and results were published in *Mathematical Biosciences*.
- 2017 | Windoloski, K. & Cochran, A.
Comparing Optimal College Student Budgets
Project started in Operations Research class, completed following semester & presented at undergraduate conference.
- 2017 | Taylor, C. & Ryan, S.
An Optimization Problem to Determine the Flattest 5k at Fitchburg State University
Project started in Operations Research class, completed over the summer & presented at undergraduate conference.
- 2015 | Hujoel, M., Dantzler, A., Parkman, V., & Wild, A.
Canine Distemper Outbreak Modeled in an Animal Shelter
NIMBioS Summer Research Experience for Undergraduates. Resulted in publication.

INVITED PRESENTATIONS

- 2022 | *Modeling Spatial Preferences and Stock Trends of Atlantic Fish Under the Pressures of Climate Change,*
THE CHRISTIE LECTURE AT THE MAA NORTHEASTERN SECTION FALL 2022 MEETING,
Keene, NH
- 2022 | *A Vaccination Model for COVID-19 in South Africa,*
SIAM CONFERENCE ON THE LIFE SCIENCES SESSION ON ADVANCES IN EPIDEMIOLOGY,
Pittsburgh, PA
- 2022 | *A Vaccination Model for COVID-19 in South Africa,*
JOINT MATHEMATICS MEETINGS SPECIAL SESSION ON DYNAMICS OF INFECTIOUS DISEASES:
ECOLOGICAL MODELS ACROSS MULTIPLE SCALES, Held Remotely
- 2021 | *Modeling the Effect of HIV/AIDS Stigma on HIV Infection Dynamics in Kenya,*
SAMSA-MASAMU VIRTUAL COLLOQUIA SERIES, Held Remotely
- 2021 | *Modeling the Effect of HIV/AIDS Stigma on HIV Infection Dynamics in Kenya,*
JOINT MATHEMATICS MEETINGS SPECIAL SESSION ON ADVANCES IN MODELING THE ECOLOGY
OF INFECTIOUS DISEASES, Held Remotely
- 2020 | *An Introduction to Disease Modeling with an Application to the HIV/AIDS in Kenya,*
ITHACA COLLEGE MATHEMATICS SEMINAR, Ithaca, NY and Remotely
- 2020 | *An Introduction to Disease Modeling with an Application to the Ebola Virus Disease,*
CONNECTICUT COLLEGE SENIOR MATHEMATICS SEMINAR, New London, CT
- 2018 | *A Discrete Data-Driven Pseudorabies Model for Feral Hogs,*
SIAM CONFERENCE ON MATHEMATICS OF PLANET EARTH SESSION ON ONE HEALTH: CON-
NECTING HUMANS, ANIMALS, AND THE ENVIRONMENT, Philadelphia, PA
- 2018 | *Using Mathematics to Locate Wild Boar in Great Smoky Mountains National Park,*
PI MU EPSILON INDUCTION CEREMONY, Fitchburg, MA
- 2018 | *Modeling Behavior Change to Limit an Ebola Outbreak in Sudan,*
JOINT MATHEMATICS MEETINGS AMS SPECIAL SESSION ON MATHEMATICS IN NATURAL RE-
SOURCE MODELING, San Diego, CA
- 2017 | *Modeling Feral Hogs in Great Smoky Mountains National Park to Evaluate Control Efforts
and Analyze the Population's Niche,*
FRANKLIN AND MARSHALL COLLEGE PI MU EPSILON INDUCTION CEREMONY, Lancaster, PA
- 2016 | *A Canine Distemper Outbreak Modeled in an Animal Shelter,*
SIAM CONFERENCE ON MATHEMATICS OF PLANET EARTH SPECIAL SESSION ON DATA DRIVEN
INFECTIOUS DISEASE MODELS AND APPLICATIONS, Philadelphia, PA
- 2016 | *Modeling Feral Hogs in Great Smoky Mountains National Park to Evaluate Control Efforts
and Analyze the Population's Niche,*
JOINT MATHEMATICS MEETINGS AMS SPECIAL SESSION ON MATHEMATICS IN NATURAL RE-
SOURCE MODELING, Seattle, WA
- 2016 | *Modeling Feral Hogs in Great Smoky Mountains National Park to Assess the Importance of
a Control Program,*
SOCIETY FOR MATHEMATICAL BIOLOGY ANNUAL CONFERENCE SESSION ON DISCRETE POPULA-
TION MODELS WITH MANAGEMENT FEATURES, Atlanta, GA
- 2014 | *Modeling as a Means of Informing Management Strategies,*
MATHEMATICS SEMINAR AT MARYVILLE COLLEGE, Maryville, TN
- 2014 | *Modeling Feral Hogs in Great Smoky Mountains National Park,*
SIAM ANNUAL MEETING SPECIAL SESSION FOR STUDENT RESEARCH, Chicago, IL

CONTRIBUTED PRESENTATIONS

- 2021 | *Modeling the Effect of HIV/AIDS Stigma on HIV Infection Dynamics in Kenya*,
FITCHBURG STATE UNIVERSITY SPEAKER SERIES
- 2020 | *Modeling the Effect of HIV/AIDS Stigma on HIV Infection Dynamics in Kenya*,
SOUTHERN AFRICA MATHEMATICAL SCIENCES ASSOCIATION ANNUAL CONFERENCE,
Held Remotely
- 2019 | *Evaluating Threats to Diamondback Terrapins in a Coastal Carolina Salt Marsh*,
SOUTHERN AFRICA MATHEMATICAL SCIENCES ASSOCIATION ANNUAL CONFERENCE,
Blantyre, Malawi
- 2019 | *Matrix and Agent-Based Modeling of Diamondback Terrapins*,
SPRING DEVELOPMENT DAY, Fitchburg State University, Fitchburg, MA
- 2018 | *Constructing a Habitat Suitability Model for Wild Boar in Great Smoky Mountains National
Park Using Environmental Predictors and Presence Only Data*,
SPRING DEVELOPMENT DAY, Fitchburg State University, Fitchburg, MA
- 2016 | *Modeling the Role of Education in Limiting a Future Outbreak of Ebola*,
SOUTHERN AFRICA MATHEMATICAL SCIENCES ASSOCIATION ANNUAL CONFERENCE, Pretoria,
South Africa
- 2015 | *Modeling Canine Distemper Virus in an Animal Shelter*,
SOUTHERN AFRICA MATHEMATICAL SCIENCES ASSOCIATION ANNUAL CONFERENCE. Wind-
hoek, Namibia,
- 2014 | *Modeling Feral Hogs in Great Smoky Mountains National Park*,
SOUTHERN AFRICA MATHEMATICAL SCIENCES ASSOCIATION ANNUAL CONFERENCE, Victoria
Falls, Zimbabwe
- 2014 | *Modeling Feral Hogs in Great Smoky Mountains National Park*,
INTERNATIONAL SYMPOSIUM ON BIOMATHEMATICS & ECOLOGY: EDUCATION & RESEARCH,
Harvey Mudd College, Claremont, CA

POSTER PRESENTATIONS

- 2018 | *Modeling Feral Hogs in Great Smoky Mountains National Park*,
5TH ANNUAL SCIENCE SYMPOSIUM., Fitchburg State University Fitchburg, MA
- 2017 | *Modeling Feral Hogs in Great Smoky Mountains National Park*,
4RD ANNUAL SCIENCE SYMPOSIUM., Fitchburg State University Fitchburg, MA
- 2018 | *Modeling Feral Hogs in Great Smoky Mountains National Park*,
46TH ANNUAL JOHN H. BARRETT MEMORIAL LECTURES, University of Tennessee, Knoxville,
TN
- 2016 | *Evaluating Multi-Sensory Learning and Relationship Building through STEmpunk: a Reverse
Science Fair*,
WOMEN IN STEM RESEARCH SYMPOSIUM., University of Tennessee Knoxville, TN
- 2015 | *Modeling Feral Hogs in Great Smoky Mountains National Park*,
MATHEMATICS OF PLANET EARTH WORKSHOP ON EDUCATION FOR THE PLANET EARTH OF
TOMORROW, NIMBioS, Knoxville, TN
- 2015 | *Modeling Feral Hogs in Great Smoky Mountains National Park*,
MATHEMATICS OF PLANET EARTH WORKSHOP ON MANAGEMENT OF NATURAL RESOURCES,
Howard University, Washington D.C.

ADDITIONAL CONFERENCES ATTENDED

- 2020-21 | SOCIETY FOR MATHEMATICAL BIOLOGY ANNUAL MEETING. Held remotely
- 2017 | SOUTHERN AFRICA MATHEMATICAL SCIENCES ANNUAL MEETING, Arusha, Tanzania
- 2017 | MATHEMATICAL ASSOCIATION OF AMERICA'S MATHFEST, Chicago, IL
- 2017 | MASSACHUSETTS PROJECT KALEIDOSCOPE REGIONAL SUMMER MEETING, Fitchburg MA
- 2017 | JOINT MATHEMATICS MEETING, Atlanta, Georgia
- 2016 | MATHEMATICAL ASSOCIATION OF AMERICA'S MATHFEST, Columbus, OH
- 2015 | MAA SOUTHEASTERN SECTION MEETING. UNIVERSITY OF NORTH CAROLINA, Wilmington, NC
- 2014 | AMS SECTIONAL MEETING, University of Tennessee, Knoxville, TN
- 2013 | SOUTHEAST-ATLANTIC REGIONAL CONFERENCE ON DIFFERENTIAL EQUATIONS, Knoxville, TN
- 2013 | RESOURCE MODELING ASSOCIATION ANNUAL MEETING, Cornell University, Ithaca, NY

SERVICE TO THE DISCIPLINE

- 2020 | Judge for *Undergraduate Challenge Using Differential Equations Modeling Challenge*
SIMIODE, Held remotely
- 2019 | Co-Organizer of *STEM Workshop for high school teachers*
SAMSA ANNUAL CONFERENCE, Blantyre, Malawi
- 2019 | Local Organizing Committee for *MAA Northeast Section Meeting*
MATHEMATICAL ASSOCIATION OF AMERICA, Fitchburg, MA
- 2017 | Presenter in *STEM Workshop for high school teachers*
SAMSA ANNUAL CONFERENCE, Arusha, Tanzania
- 2017 | Co-organizer of a panel session titled *Where are the math majors? Broadening scope by increasing mathematics enrollment*
MATHEMATICAL ASSOCIATION OF AMERICA'S MATHFEST, Chicago, IL

AWARDS

- 2016 | GRADUATE STUDENT ACHIEVEMENT AWARD
Department of Mathematics, University of Tennessee
- 2015 | SIAM AWARD FOR EFFORT AND ACHIEVEMENT
Society for Industrial & Applied Mathematics
- 2013 | DOROTHEA & EDGAR D. EAVES TEACHING AWARD
Department of Mathematics, University of Tennessee

WORKSHOPS AND CERTIFICATE PROGRAMS

- 2020- Present | *The Faculty Academy*- Training to reach students at-risk, FITCHBURG STATE UNIVERSITY, Facilitated by Dr. Paul Hernandez
- 2020- Present | *Dynamics of Infectious Diseases: Ecological Models Across Multiple Scales*, AMS MATHEMATICS RESEARCH COMMUNITY, Held remotely
- 2021 | *Masamu Advanced Study Institute Workshop in Mathematical Sciences*, Held remotely
- 2020 | Held remotely
- 2019 | Blantyre, Malawi
- 2017 | Arusha, Tanzania
- 2016 | Pretoria, South Africa
- 2015 | Windhoek, Namibia
- 2014 | Victoria Falls, Zimbabwe
- 2020 | *Workshop on Mathematical Models in Understanding COVID-19*, INSTITUTE FOR PURE AND APPLIED MATHEMATICS AT UCLA, Held Remotely
- 2018 | *Applications of Spatial Ecology: Ecological Niche Modeling*, NIMBIO S AT THE UNIVERSITY OF TENNESSEE, Knoxville, TN
- 2016- 2017 | *Project NExT Fellowship*, MATHEMATICAL ASSOCIATION OF AMERICA, Various Locations
- 2017 | *Course Redesign Workshop*, CENTER FOR TEACHING AND LEARNING AT FITCHBURG STATE UNIVERSITY, Fitchburg, MA
- 2011- 2016 | *Teaching Certificate Program*, DEPARTMENT OF MATHEMATICS, UNIVERSITY OF TENNESSEE, Knoxville, TN
- 2015 | *Mathematics of Planet Earth Workshop on Education for the Planet Earth of Tomorrow*, NATIONAL INSTITUTE FOR MATHEMATICAL & BIOLOGICAL SYNTHESIS, Knoxville, TN
- 2015 | *Mathematics of Planet Earth Workshop on Management of Natural Resources*, HOWARD UNIVERSITY, WASHINGTON, D.C.
- 2017 | *Modeling the Spread & Control of Ebola in West Africa - A Rapid Response Workshop*, GEORGIA INSTITUTE OF TECHNOLOGY, Atlanta, GA
- 2014 | *Best Practices in Teaching Certificate Program*, THE GRADUATE SCHOOL, UNIVERSITY OF TENNESSEE, Knoxville, TN
- 2014 | *Industrial Mathematical / Statistical Modeling Workshop*, STATISTICAL & APPLIED MATHEMATICAL SCIENCES INSTITUTE, NCSU, Raleigh, NC
- 2014 | *Parameter Estimation for Dynamic Biological Models Workshop*, NATIONAL INSTITUTE FOR MATHEMATICAL & BIOLOGICAL SYNTHESIS, Knoxville, TN

UNIVERSITY SERVICE AND OUTREACH

FSU = Fitchburg State University

UT = University of Tennessee

- 2021-present | Center for Teaching and Learning New Faculty Mentor (FSU)
- 2017-present | Center for Faculty Scholarship Advisory Board (FSU)
- 2017-present | Faculty advisor for Fitchburg State University Chess Club (FSU)
- 2017-present | Crocker Center for Community Scholarship group member (FSU)
- 2016-present | Mathematics Department Seminar Committee (FSU)
- 2016-present | Elizabeth Haskins Mathematics Competition Committee (FSU)
- 2020-2021 | First Year Experience (FYE) Committee (FSU)
- 2020 | Falcons Supporting Falcons Initiative Spring and Fall 2020 (FSU)
- 2019-2020 | Co-Organizer for *Undergraduate Conference on Research and Creative Practices* (FSU)
- 2018-2019 | Search committee for Tenure-Track Position in Mathematics (FSU)
- 2018-2019 | Created textbook and course material for QR course *Math in Society* (FSU)
- 2017-2019 | Living and Learning Community Facilitator (FSU)
- 2016-2017 | Interdisciplinary STEM Major Formation Committee (FSU)
- 2016-2017 | Pi Mu Epsilon and Math Club Advisor (FSU)
- 2016-2017 | All University Policies Committee (FSU)
- 2013-2016 | Student chapter for the Society for Industrial and Applied Mathematics (UT)
President (2014-2016) and Treasurer (2013-2014)
- 2015 | Coordinator for *STEMPunk Reverse Science Fair* (UT)
- 2010-2015 | High school math contest official (UT)
- 2014 & 2015 | Math assistant for *Adventures in STEM Day Camp* (UT)
- 2014 | Middle School Mathematics Ambassador (UT)
- 2013-2014 | Graduate student peer teaching mentor (UT)

PROFESSIONAL SOCIETIES

- | American Mathematical Society (AMS)
- | Society for Mathematical Biology (SMB)
- | Mathematical Association of America (MAA)
- | Society for Industrial and Applied Mathematics (SIAM)
- | Southern Africa Mathematical Sciences Association (SAMSA)