

Benjamin De Bari

Department of Psychological Sciences,
University of Connecticut, Storrs, CT,
06269
860-518-7718
benjamin.de_bari@uconn.edu

Education

- B.S. Cognitive Science 2016
University of Connecticut, Storrs
- Minors: Mathematics, Philosophy
- Ph.D. Candidate in Experimental Psychology Expected May 2021
University of Connecticut, Storrs

Teaching Experience

- Teaching Assistant: Psychology 1100 & 1103 2016-Present
- Constructing lesson plans
 - Providing lectures to students
 - Various assessments and grading
 - Supplementary aid to students outside class
- TA Coordinator: Psychology 1103 2018-Present
- Revising curriculum for TA-led lab courses
 - Leading TA meetings
 - Scheduling and general oversight of TAs

Research Experience

- Undergraduate Research Assistant to Dr. James Dixon 2015-2016
Physical Intelligence Laboratory
- Data compilation and analysis
 - Developing an item-tracking program for video data in Matlab
- Graduate Research Assistant to Dr. James Dixon 2016-Present
Physical Intelligence Laboratory
- Experimental design
 - Technical laboratory operations
 - Data compilation and analysis

Academic Societies

- Member of the Association of Psychological Sciences 2017
- Affiliate Researcher to the Connecticut Institute for the Brain and Cognitive Sciences 2017

Employment

Co-Editor of the Institute for the Brain and Cognitive Sciences 2019-present

- Selection and interviewing of research affiliates
- Summarization of technical research for general audience

Student Manager & Lead Route Setter, UConn Climbing Center 2015-2016

- Maintaining and improving the climbing gym
- Supervising and directing employees
- Scheduling, policy revision, and hiring

Head Coach, E.O. Smith High School Crew Team 2016

- Developing training plans for approximately ninety athletes
- Revising and applying safety practices
- Daily overseeing and coordinating coaching staff and athletes

Publications

De Bari B., Dixon J., Kondepudi D., Kay B. (2019) Oscillatory dynamics of an electrically driven dissipative structure. *PLoS ONE* 14(5).

De Bari B., Dixon J., Kondepudi D., Kay B. (In Press) Collective dissipative structures, force-flow reciprocity, and the foundations of the perception action cycle. *Ecological Psychology*

De Bari B., Paxton A., Dixon J., Kondepudi D., Kay B. (In Preparation) Functional interdependence in coupled dissipative structures: Physical foundations of biological intra- and inter-personal coordination.

Presentations

De Bari B., Dixon J., Kondepudi D., Kay B. (2019, August) *Collective dynamics of dissipative structures*. Presentation for the Perceiving Acting Workshop at Center for the Ecological Study of Perception and Action, Storrs, CT.

De Bari B., Dixon J., Kondepudi D., Kay B. (2019, July) *Collective behavior in dissipative structures*. Presentation for the 20th International Conference on Perception and Action, Groningen, Netherlands.

De Bari B., Dixon J., Kondepudi D., Kay B. (2019, April) *Coupled dissipative structures: A physical analog of a coordinative structure*. Presentation for the New England Regional Conference on Complexity, Binghamton, NY.

De Bari B., Dixon J. (2019, May) *Bimodal foraging in chemical dissipative structures*. Presentation at the Institute for the Brain and Cognitive Sciences Meet and Speak, Storrs, CT.

Dixon J., De Bari B., Kay B., Kondepudi D. (2018, May). *Lessons from Non-Living Dissipative Structures for Learning and Development*. Presentation to be delivered by James Dixon for the Jean Piaget Society, 48th Annual Meeting, Amsterdam, The Netherlands.

De Bari B., Dixon J., Kondepudi D., Kay B. (2017, April) *Charge-Depletion Model of E-SOFI*

Oscillations. Presentation by Ben De Bari for the Perceiving Acting Workshop at Center for the Ecological Study of Perception and Action, Storrs, CT.

Dixon J., De Bari B., Kay B., Kondepudi D., (2017, July). *Learning in Non-Living Dissipative Systems*. Presentation delivered by James Dixon for the 19th Annual International Conference on Perception and Action, Seoul, Republic of Korea.

Research Fellowships

Connecticut Institute for the Brain and Cognitive Sciences Graduate Fellowship Program
Summer 2018

- Competitive fellowship funding research support
- Grant-writing workshop and subsequent external grant application

Computer Skills

Strong Working Knowledge: R, Matlab

References

James Dixon

Director of the Center for the Ecological Study of Perception and Action
Department of Psychological Sciences,
University of Connecticut, Storrs, CT, 06269
James.dixon@uconn.edu

Bruce Kay

Lab Coordinator for the Center for the Ecological Study of Perception and Action
Department of Psychological Sciences,
University of Connecticut, Storrs, CT, 06269
Bruce.kay@uconn.edu