

CALL FOR PAPER PROPOSALS

Proposal Submission Deadline: **April 2, 2018**

Linking Differential Equations to Social Justice and Environmental Concerns

A Special Issue of the CODEE Online Journal
Edited by Samer Habre of the CODEE Editorial Board

Introduction

The online journal of the Community of Ordinary Differential Equations Educators (CODEE) is seeking submissions for a special issue in honor of Professor Robert Borrelli with a focus on linking differential equations to social justice and environmental concerns.

The CODEE Journal is a peer-reviewed, open-access publication, distributed by CODEE and published by the Claremont Colleges Library, for original materials that promote the teaching and learning of ordinary differential equations (<http://www.codee.org>)

[Robert Borrelli](#) (1932-2013), who taught at Harvey Mudd College from 1963-2013, was the founder of CODEE in 1992 and ever after its most fervent advocate. In 2013 he was still active as an Emeritus Professor of Mathematics and Emeritus Director of the Mathematics Clinic at Harvey Mudd College (<https://www.math.hmc.edu/clinic/>).



Borrelli had a special interest in Differential Equations, and he sought throughout his career to link DE's to real word problems. In particular, in 1972, he helped start the Math Clinic, where industries and government agencies work with groups of advanced undergraduate students on unsolved real-word problems that require imaginative, numerically oriented problem-solving skills. The Math Clinic is designed to educate engineers and scientists who will have a knowledge of the society in which they live and whose contributions after graduation reflect an understanding of society's needs.

On the human side, Robert Borrelli was known for his deep interest in equity issues. Early in his career, he established endowments at Harvey Mudd and Stanford to help minority and underprivileged students afford a college education. He himself owes it to his older brother James, who had secretly made Bob's education possible.

Objective of the Special Issue

Social Justice ([see Wikipedia](#)) is a concept of fair and just relationships between an individual and society. In contemporary usage it includes as well the environmental conditions necessary to foster equity in our society.

In this special issue of the CODEE Journal, we are seeking papers that would appeal to educators and students, in which differential equations are applied to problems affecting our society. More specifically, papers should explore topics that involve aspects of equity, fairness, and environmental concerns.

Some possible topics are listed here, but this is far from an exhaustive list – we anticipate other creative ideas.

- a) Climate Change
- b) Waste Management
- c) Population Growth, in different countries all over the world
- d) Distribution of Wealth
- e) Unequal Access to Education
- f) Health and Health Care
- g) Opiate Addiction, and its impact
- h) Criminal Profiling and the Justice System

Submission Procedure

Researchers and practitioners are invited to submit *on or before April 2, 2018*, a detailed abstract of their proposed paper (maximum of 500 words). Authors will be notified by **April 30, 2018** about the status of their proposals. Full papers are expected to be submitted by **October 1, 2018**. All submitted papers will be reviewed on a double-blind review basis.

Important Dates

April 2, 2018:	Proposal Submission Deadline
April 30, 2018:	Notification of Acceptance
October 1, 2018:	Full Paper Submission
November 5, 2018:	Review Results Returned
December 22, 2018:	Final Paper Submission

*Inquiries and submissions can be forwarded **electronically** to:*

specialissue@codee.org