



# BRIN MATHEMATICS RESEARCH CENTER

## Applied Stochastic Processes for Encounter Problems

February 5-9, 2024

### About the Workshop

This workshop will focus on developing new theory and applications of stochastic processes, with a specific focus on so-called "encounter problems" in two space dimensions.

### Organizers

Bill Fagan, University of Maryland  
Ricardo Martinez-Garcia, CASUS-HZDR, Germany



### Speakers

Ruth Baker, Oxford University  
Justin Calabrese, CASUS-HZDR, Germany  
Eduardo Colombo, CASUS-HZDR, Germany  
Sarah Davidson, MPIAB (Movebank)  
Natasha Ellison, Mississippi State University  
Chris Fleming, University of Central Florida  
Benjamin Garcia de Figueiredo, Princeton University  
Luca Giuggioli, University of Bristol  
Manuela Gonzalez-Suarez, University of Reading  
Elie Gurarie, SUNY  
Andrew Hein, Cornell University  
Mark Lewis, University of Victoria

Kezia Manlove, Utah State University  
Rafael Menezes, CASUS-HZDR, Germany  
Joanna Mills Flemming, Dalhousie University  
Michael Noonan, University of British Columbia  
Gustavo Oliveira-Santos, UFMS, Brazil  
Sid Redner, Santa Fe Institute  
Jorge de Menezes, CASUS-HZDR, Germany  
Lauren Shoemaker, University of Wyoming  
Inês Silva, CASUS-HZDR, Germany  
Anudeep Surendran, CASUS-HZDR, Germany  
Rebecca Tyson, University of British Columbia  
Gandhimohan Viswanathan, UFRN, Brazil



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DEPARTMENT OF  
MATHEMATICS

# Encounter With Mathematics

**Michael Hoelscher**



## **Encounter With Mathematics:**

The Top Books of the Year Encounter With Mathematics The year 2023 has witnessed a remarkable surge in literary brilliance, with numerous compelling novels captivating the hearts of readers worldwide. Lets delve into the realm of popular books, exploring the fascinating narratives that have enthralled audiences this year. Encounter With Mathematics : Colleen Hoover "It Ends with Us" This poignant tale of love, loss, and resilience has captivated readers with its raw and emotional exploration of domestic abuse. Hoover masterfully weaves a story of hope and healing, reminding us that even in the darkest of times, the human spirit can prevail. Encounter With Mathematics : Taylor Jenkins Reids "The Seven Husbands of Evelyn Hugo" This intriguing historical fiction novel unravels the life of Evelyn Hugo, a Hollywood icon who defies expectations and societal norms to pursue her dreams. Reids compelling storytelling and compelling characters transport readers to a bygone era, immersing them in a world of glamour, ambition, and self-discovery. Encounter With Mathematics : Delia Owens "Where the Crawdads Sing" This mesmerizing coming-of-age story follows Kya Clark, a young woman who grows up alone in the marshes of North Carolina. Owens weaves a tale of resilience, survival, and the transformative power of nature, entrancing readers with its evocative prose and mesmerizing setting. These popular novels represent just a fraction of the literary treasures that have emerged in 2023. Whether you seek tales of romance, adventure, or personal growth, the world of literature offers an abundance of captivating stories waiting to be discovered. The novel begins with Richard Papen, a bright but troubled young man, arriving at Hampden College. Richard is immediately drawn to the group of students who call themselves the Classics Club. The club is led by Henry Winter, a brilliant and charismatic young man. Henry is obsessed with Greek mythology and philosophy, and he quickly draws Richard into his world. The other members of the Classics Club are equally as fascinating. Bunny Corcoran is a wealthy and spoiled young man who is always looking for a good time. Charles Tavis is a quiet and reserved young man who is deeply in love with Henry. Camilla Macaulay is a beautiful and intelligent young woman who is drawn to the power and danger of the Classics Club. The students are all deeply in love with Morrow, and they are willing to do anything to please him. Morrow is a complex and mysterious figure, and he seems to be manipulating the students for his own purposes. As the students become more involved with Morrow, they begin to commit increasingly dangerous acts. The Secret History is a brilliant and thrilling novel that will keep you guessing until the very end. The novel is a cautionary tale about the dangers of obsession and the power of evil.

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