

# Kaushal GIANCHANDANI

## Curriculum Vitae

AFFILIATION: [Institute of Earth Sciences](#) at the [Hebrew University of Jerusalem, Israel](#)  
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## EDUCATION

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2017 - PRESENT	Ph.D. in Oceanography <a href="#">Institute of Earth Sciences</a> at the <a href="#">Hebrew University of Jerusalem, Israel</a> Thesis: <b>The stability and termination of hard vs soft snowball Earth events.</b> Advisor: <a href="#">Prof. Hezi GILDOR</a> , <a href="#">Prof. Yosef ASHKENAZY</a> & <a href="#">Prof. Eli TZIPERMAN</a>
2012 - 17	Integrated M.Sc. in PHYSICAL SCIENCES <span style="float: right;">CGPA: 7.41/10.00</span> <a href="#">National Institute of Science Education and Research (NISER)</a> Bhubaneswar Master's Thesis: <b>Transition to turbulence in subcritical baroclinic flows.</b> Advisor: <a href="#">Dr. Antoine VENAILLE</a>

## WORK EXPERIENCE

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MAY - JULY 16	Summer Intern at <a href="#">ÉCOLE NORMALE SUPÉRIEURE DE LYON</a> Title: <i>Transition to turbulence in subcritical baroclinic flows.</i> Supervisor: <a href="#">Dr. Antoine VENAILLE</a>
JUNE - JULY 15	Visiting Summer Fellow at <a href="#">INSTITUTE OF MATHEMATICAL SCIENCES</a> , Chennai Title: <i>Binary logic using spatially patterned deaths in chemical oscillators.</i> Supervisor: <a href="#">Dr. Shakti N. MENON</a> & <a href="#">Prof. Sitabhra SINHA</a>
MAY - JULY 14	Summer Intern at <a href="#">IISER - KOLKATA</a> Title: <i>Self-organised-criticality and punctuated equilibrium in bouncing balls.</i> Supervisor: <a href="#">Prof. Prasanta K. PANIGRAHI</a>
MAY - JULY 13	Summer Intern at <a href="#">NISER</a> , Bhubaneswar Title: <i>Motion of the Foucault's pendulum: a glimpse of the Coriolis effect.</i> Supervisor: <a href="#">Dr. Joydeep BHATTACHARJEE</a>

## SCHOOLS AND CONFERENCES ATTENDED (SELECTED)

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Sep 18	<a href="#">Summer School on Fluid Dynamics of Sustainability and the Environment</a>	Cambridge, UK
May 18	<a href="#">Ice, Oceans and Atmospheres on Earth and Elsewhere</a>	Rome, IT
Dec 16	<a href="#">10th Conference on Nonlinear Systems and Dynamics (CNSD-2016)</a>	Kolkata, IN
July 16	<a href="#">Statphys26</a>	Lyon, FR

## PUBLICATION(S)

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- **Kaushal Gianchandani**, Shakti N. Menon and Sitabhra Sinha. "Binary Logic Using Spatially Patterned Deaths In Chemical Oscillators." *10th Conference on Nonlinear Systems and Dynamics*. IISER-Kolkata. [\[View abstract\]](#) [\[View poster\]](#)

## COMPUTER SKILLS

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Languages: Python, C++, HTML, Bash, Fortran  
Packages: MITgcm, pyqg, ferret,  $\text{\LaTeX}$ , gnuplot  
Software: MATLAB, Mathematica

## AWARDS AND HONOURS

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- 2016 Summer Intern Fellowship sponsored by [Centre National de la Recherche Scientifique \(CNRS\)](#) for May - July 16.
- 2015 [Physics Summer Research Fellowship](#) sponsored by Institute of Mathematical Sciences, Chennai for June - July 15.
- 2012 [Innovation in Science Pursuit for Inspired Research \(INSPIRE\) Fellowship](#) for August 12 - June 17 sponsored by [Department of Science and Technology](#), India
- 2012 Best Student award at [St. Gregorios Senior Secondary School](#), Udaipur.

## REFERENCES

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### **Prof. Hezi GILDOR**

Professor  
Institute of Earth Sciences  
The Hebrew University of Jerusalem, Israel  
[hezi.gildor@huji.ac.il](mailto:hezi.gildor@huji.ac.il)

### **Dr. Antoine VENAILLE**

CNRS Researcher  
Laboratoire de Physique  
École Normale Supérieure de Lyon, France  
[antoine.venaille@ens-lyon.fr](mailto:antoine.venaille@ens-lyon.fr)

### **Prof. Yosef ASHKENAZY**

Professor  
Jacob Blaustein Institutes for Desert Research  
Ben-Gurion University of the Negev, Israel  
[ashkena@bgu.ac.il](mailto:ashkena@bgu.ac.il)

### **Prof. Eli TZIPERMAN**

*Pamela and Vasco McCoy, Jr.*  
Professor of Oceanography and Applied Physics  
Dept. of Earth and Planetary Sciences and  
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