

# KAVLI INSTITUTE FOR THEORETICAL PHYSICS

*Presents*

## *The Sixty-Eighth KITP Public Lecture*

Sponsored by Friends of KITP

# Sidney Nagel

## Impact and Intrusion

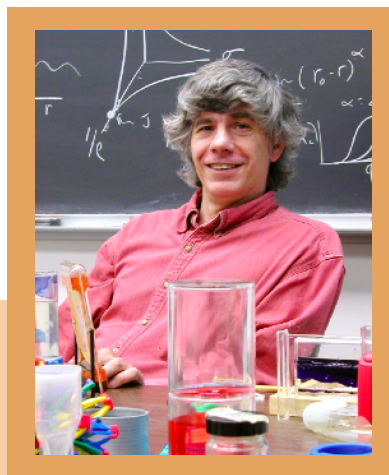
**T**he commonplace is extraordinary! Examine closely the world around you and many things that you take for granted are astonishing. Take, for example, a simple drop of liquid falling onto a surface: if the surface is cool and dry, the drop likely will splash; if the surface is hot, however, the drop simply hovers and never touches down. Consider again: when a liquid is compressed between two smooth surfaces, it forms an expected circular disk; but when the plates are separated, quite a different pattern emerges. This is a form of dilation symmetry caused by the penetration of space. It is all around and within us. In this talk, Professor Nagel will emphasize the surprises and elegance of how nature arranges the texture of our lives.

### About the Speaker

Sidney Nagel is an experimental physicist. He received his Ph.D. from Princeton University and did a postdoc at Brown University prior to joining the University of Chicago in 1976 where he is now the Stein-Frieler Distinguished Service Professor of Physics. He is a member of the National Academy of Sciences and of the American Academy of Arts and Sciences. He won the Oliver Buckley Prize of the American Physical Society and the Klopsteg Memorial Lecture Award from American Association of Physics Teachers. His interests are in behavior that epitomizes complexity: far-from-equilibrium, disordered and highly non-linear. Examples of such behavior surround us and often are so familiar that we hardly realize that they defy our normal intuition. Here the commonplace becomes extraordinary and lead the inquisitive into new realms of physics.

**Wednesday, February 28, 2018**  
**8:00 PM (reserved seats held until 7:50 PM)**

*Kavli Institute for Theoretical Physics, Main Seminar Room*



**Admission is Free**

***RSVP for Reserved Seating by  
February 23, 2018***

**at:**

**[http://www.kitp.ucsb.edu/  
public-lecture-rsvp](http://www.kitp.ucsb.edu/public-lecture-rsvp)**

**or call**

**(805) 893-6307**

***Reserved seats are held until  
7:50 PM***

*To make special arrangements to  
accommodate a disability, call the  
KITP at the number above.*

### LOT 10 PARKING

From the roundabout at Hwy 217, turn right onto Mesa Rd, merge into the left lane, and turn left at the first light into Lot 10 parking structure. **PARK, BUY a \$4 permit** from the dispenser (near the elevator and stairs), and **DISPLAY PERMIT** on dashboard. The KITP is right next door in Kohn Hall.

*The KITP gratefully acknowledges its  
many friends in the community.*

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