

IV IFT-Perimeter-SAIFR

# JOURNEYS

## INTO THEORETICAL PHYSICS

JULY 6 - 12, 2019

IFT-UNESP, São Paulo

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SCHOLARS  
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**PEDRO VIEIRA**  
(Perimeter/ICTP-SAIFR/  
IFT-UNESP)

MATRIX  
MODELS

**CLIFF BURGESS**  
(Perimeter)

WHAT IS THE UNIVERSE  
MADE OF?

**THIAGO TOMEI**  
(IFT-UNESP/NCC-UNESP)

ASPECTS OF EXPERIMENTAL  
HIGH-ENERGY PHYSICS

**RICARDO  
MARTINEZ-GARCIA**  
(Princeton U./ICTP-SAIFR)

NONLINEAR PHENOMENA  
IN BIOLOGY

Opening lecture  
**WILLIAM BIALEK**  
(Princeton U.)

PRECISION AND EMERGENCE  
IN THE PHYSICS OF  
BIOLOGICAL SYSTEMS

Financial support is available, and top students will be offered master's fellowships to spend one year at ICTP-SAIFR/IFT-UNESP and one year at either the Perimeter Scholars International program or the CUNY/Princeton Center for the Physics of Biological Function.

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