



2024

LATIN AMERICAN WORKSHOP ON OPTICAL  
FIBER SENSORS LAWOWFS (IBERO-AMERICAN EDITION)  
MAY 20-22 UNIVERSITY OF CAMPINAS (UNICAMP) - BRAZIL

# PROGRAMAÇÃO

**20/05/2024**

## MONDAY

|                                                                                                                                                                                                        |                      |
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| <b>Registration</b>                                                                                                                                                                                    | <b>08:30 - 09:00</b> |
| <b>Opening Session</b>                                                                                                                                                                                 | <b>08:30 - 09:00</b> |
| <b>Plenary Talk</b><br>Edgar Mendoza (Redondo Optics, USA)<br><i>Applications of photonic integrated circuits for fiber sensor solutions where weight, size, and power are critical for operations</i> | <b>09:30 - 10:30</b> |
| <b>Coffe Break</b>                                                                                                                                                                                     | <b>10:30 - 11:00</b> |
| <b>Plenary Talk</b><br>Martina D. Pinar (University of Valencia, Spain)<br><i>Photonic diffractive biosensors: long period gratings and molecular BLOpatterns for biorecognition</i>                   | <b>11:00 - 12:00</b> |
| <b>Lunch</b>                                                                                                                                                                                           | <b>12:00 - 13:30</b> |
| <b>Sponsor</b><br>Sisfóton (Brazil)<br><i>Sisfóton activities in optical sensing</i>                                                                                                                   | <b>13:30 - 13:50</b> |
| <b>Physical Sensors I</b>                                                                                                                                                                              | <b>13:50 - 15:20</b> |
| <b>Fast-Forward - Regular Posters I</b>                                                                                                                                                                | <b>15:20 - 15:30</b> |
| <b>Coffe Break &amp; Regular Posters</b>                                                                                                                                                               | <b>15:30 - 16:30</b> |

# LAWOFS

## 2024

### Non-fiber Optical Sensors

16:30 - 17:50

#### Invited Talk

16:30 - 16:50

Edgar Mendoza (Redondo Optics, USA)

*Applications of photonic integrated circuits for fiber sensor solutions where weight, size, and power are critical for operations*

21/05/2024

## TUESDAY

### Registration

08:30 - 09:00

### Distributed Sensors and Sensor Networks

09:00 - 10:35

#### Invited Talk

09:00 - 09:20

Carlos M. do Nascimento (Cemig GT, Brazil)

*The experimental smart optical overhead line*

### Coffe Break

10:35 - 11:00

### Plenary Talk

11:00 - 12:00

Walter Margulis (PUC-Rio, Brazil)

*Optical sensing with mode-locked random fiber laser*

### Lunch

12:00 - 13:30

### Sponsor

13:30 - 13:50

- Alfa Sense (Brazil)

*Practical approach on optical sensors for security applications*

### Physical Sensors II

13:50 - 15:20

### Fast-Forward - Regular Posters I

15:20 - 15:30

# LAWOFS

## 2024

|                                          |                      |
|------------------------------------------|----------------------|
| <b>Coffe Break &amp; Regular Posters</b> | <b>15:30 - 16:30</b> |
| <b>Students Session</b>                  | <b>16:30 - 18:00</b> |
| <b>Workshop dinner</b>                   | <b>19:30 - 22:00</b> |

**22/05/2024**

### WEDNESDAY

|                                                                                                                                      |                      |
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| <b>Registration</b>                                                                                                                  | <b>08:30 - 09:00</b> |
| <b>Sensing with Special Optical Fibers</b>                                                                                           | <b>09:00 - 10:35</b> |
| <b>Invited Talk</b><br>Jonas Henrique Osório (UFLA, Brazil)<br><i>Hollow-core fiber-based sensors: recent advancements in Brazil</i> | <b>09:00 - 09:20</b> |
| <b>Coffe Break</b>                                                                                                                   | <b>10:35 - 11:00</b> |
| <b>Chemical Sensors</b>                                                                                                              | <b>11:00 - 12:00</b> |
| <b>Plenary Talk</b><br>Walter Margulis (PUC-Rio, Brazil)<br><i>Optical sensing with mode-locked random fiber laser</i>               | <b>11:00 - 12:00</b> |
| <b>Lunch</b>                                                                                                                         | <b>12:00 - 13:30</b> |
| <b>System Applications and Field Testing</b>                                                                                         | <b>13:30 - 15:00</b> |
| <b>Invited Talk</b><br>Fabio R. Bassan (CPQD, Brazil)<br><i>FBG Sensor for Underground Electrical Network Conductor Ampacity</i>     | <b>13:30 - 13:50</b> |
| <b>Closing Session</b>                                                                                                               | <b>15:30 - 16:00</b> |