



**TREASURE**  
TRAINING RESEARCH AND  
APPLICATIONS NETWORK TO  
SUPPORT THE ULTIMATE REAL TIME  
HIGH ACCURACY EGNSS SOLUTION



# ***TREASURE*** ***Autumn School***

**Bath**

**19-22 November 2018**

## Monday 19 Nov

- Morning (Admiralty Room)

- 09:30-10:30** Registration
- 10:30-11:00** Welcome and Introduction to TREASURE – Cathryn Mitchell<sup>1</sup>
- 11:00-11:15** Practical Information – Ben Witvliet<sup>1</sup>
- 11:15-11:30** *Coffee break*
- 11:30-13:00** Tomography/data assimilation and practical work – Cathryn Mitchell
- 13:00-14:00** *Lunch*

- Afternoon (Admiralty Room)

- 14:00-15:30** TEC and scintillation modelling – Marcin Grzesiak<sup>2</sup>
- 15:30-15:45** *Coffee break*
- 15:45-17:30** Tropospheric modelling and practical work – Sandra Verhagen<sup>3</sup>

## Tuesday 20 Nov

- Morning (Admiralty Room)

- 09:00-10:30** Scintillation mitigation on GNSS positioning – Sreeja Veetil<sup>4</sup>
- 10:30-10:45** *Coffee break*
- 10:45-12:15** GNSS integer ambiguity resolution – Peter Teunissen<sup>5</sup>
- 12:15-13:15** *Lunch*

- Afternoon (Admiralty Room)

- 13:15-14:45** GNSS integer ambiguity resolution (Cont'd) – Peter Teunissen
- 14:45-15:00** *Coffee break*
- 15:00-17:00** Practical work on ambiguity resolution – Peter Teunissen & Sandra Verhagen

## Wednesday 21 Nov

- Morning (Admiralty Room)

- 09:00-10:30** Multi-GNSS PPP and RTK strategies – Richard Langley<sup>6</sup>
- 10:30-10:45** *Coffee break*
- 10:45-12:15** Practical work on Multi-GNSS PPP and RTK – Richard Langley
- 12:15-13:15** *Lunch*

- Afternoon (Admiralty Room)

- 13:15-14:45** PPP in industry and practical work – Hans Visser<sup>7</sup>
- 14:45-15:00** *Coffee break*
- 15:00-16:30** RTK in industry and practical work – Martin Schmitz<sup>8</sup>
- 16:30-18:30** *Strolling in Bath (Optional)*

## Thursday 22 Nov

- Morning (Admiralty Room)
  - 09:00-10:30** Mitigation of TEC variations on GNSS positioning – Jihye Park<sup>9</sup>
  - 10:30-10:45** *Coffee break*
  - 10:45-12:15** Marketing strategies for high accuracy GNSS – Eric Jeansou<sup>10</sup>
  - 12:15-13:15** *Lunch*
- Afternoon (Admiralty Room)
  - 13:15-14:45** ICT architectures for GNSS services – Luca Pilosu<sup>11</sup>
  - 14:45-15:00** *Coffee break*
  - 15:00-17:30** Simulating Realistic Multipath in Urban Environment Using Novel Real-time Multipath Simulation System – Ali Soliman<sup>12</sup>
- Evening
  - 20:00** *Social Dinner*
  - 22:00** *Autumn school ends*

### Affiliations:

- 1 University of Bath, UK
- 2 Centrum Baden Kosmicznych - SRC-PAS, PL
- 3 Delft University of Technology, NL
- 4 University of Nottingham, UK
- 5 Curtin University, AU
- 6 University of New Brunswick, CA
- 7 Fugro Intersite, NL
- 8 Geo++ GmbH, DE
- 9 Oregon State University, US
- 10 Noveltis, FR
- 11 Istituto Superiore Mario Boella, IT
- 12 Spirent Communications, UK

