

# **ET-EMR workshop on geometry and noise feasibility**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## **Welcome - introduction - bidbook - ET symposium Aachen (and proxy to store background materials)**

*Thursday, 21 May 2026 09:30 (30 minutes)*

Contribution ID: 2

Type: **not specified**

## **Status of sensors; transient noise sources**

*Thursday, 21 May 2026 10:40 (20 minutes)*

**Session Classification:** Noise block 1

Contribution ID: 3

Type: **not specified**

## **Policy toward Datta sharing with ETC**

*Thursday, 21 May 2026 11:00 (20 minutes)*

**Session Classification:** Noise block 1

Contribution ID: 4

Type: **not specified**

## **Site Selection Criteria - SG1**

*Thursday, 21 May 2026 11:20 (20 minutes)*

**Session Classification:** Noise block 1

Contribution ID: 5

Type: **not specified**

## **Discussing the narrative at ET symposium**

*Thursday, 21 May 2026 11:40 (20 minutes)*

**Session Classification:** Noise block 1

Contribution ID: 6

Type: **not specified**

## **Correlated seismic and Newtonian noise at the EMR site —**

*Thursday, 21 May 2026 13:00 (20 minutes)*

**Session Classification:** Joint meetings geometry and noise

Contribution ID: 7

Type: **not specified**

## **Impact of correlated NN on SGWB searches**

*Thursday, 21 May 2026 13:20 (20 minutes)*

**Session Classification:** Joint meetings geometry and noise

Contribution ID: 8

Type: **not specified**

## **Newtonian noise cancellation: fusion sensor arrays and ML**

*Thursday, 21 May 2026 13:40 (20 minutes)*

**Session Classification:** Joint meetings geometry and noise

Contribution ID: 9

Type: **not specified**

## **Single-site advantage: coordinated NN mitigation in the triangle**

*Thursday, 21 May 2026 14:00 (20 minutes)*

**Session Classification:** Joint meetings geometry and noise

Contribution ID: **10**

Type: **not specified**

## **Discussion: consolidating the seismology & NN arguments**

*Thursday, 21 May 2026 14:20 (20 minutes)*

**Session Classification:** Joint meetings geometry and noise

Contribution ID: 11

Type: **not specified**

## **Publication and dissemination plan**

*Thursday, 21 May 2026 16:00 (20 minutes)*

**Session Classification:** Wrap-up

Contribution ID: 12

Type: **not specified**

## **Opening: Why the triangle now?**

*Thursday, 21 May 2026 10:00 (20 minutes)*

**Session Classification:** Common introduction

Contribution ID: 13

Type: **not specified**

## Integral feasibility

*Thursday, 21 May 2026 10:20 (20 minutes)*

**Session Classification:** Common introduction

Contribution ID: 14

Type: **not specified**

## **Noise mitigation: Wiener filter and Neural Networks**

*Thursday, 21 May 2026 15:00 (20 minutes)*

**Session Classification:** Noise block 3

Contribution ID: 15

Type: **not specified**

## **Our feedback on the paper of Jan Harms**

*Thursday, 21 May 2026 15:20 (20 minutes)*

**Session Classification:** Noise block 3

Contribution ID: **16**

Type: **not specified**

## **Discussion**

*Thursday, 21 May 2026 15:40 (20 minutes)*

**Session Classification:** Noise block 3

Contribution ID: 17

Type: **not specified**

## **Null stream theory and signal-space decomposition**

*Thursday, 21 May 2026 10:40 (20 minutes)*

**Session Classification:** Status and preparations trianglular geometry

Contribution ID: **18**

Type: **not specified**

## **Glitch mitigation with the null stream**

*Thursday, 21 May 2026 11:00 (20 minutes)*

**Session Classification:** Status and preparations triangular geometry

Contribution ID: **19**

Type: **not specified**

## **Calibration with the null stream**

*Thursday, 21 May 2026 11:20 (20 minutes)*

**Session Classification:** Status and preparations triangular geometry

Contribution ID: 20

Type: **not specified**

## **Uniform sky coverage and constraining polarisation**

*Thursday, 21 May 2026 11:40 (20 minutes)*

**Session Classification:** Status and preparations trianglular geometry

Contribution ID: 21

Type: **not specified**

## **Discussion: drafting the astrophysics section of the bidbook**

*Thursday, 21 May 2026 15:00 (20 minutes)*

**Session Classification:** Geometry session 3

Contribution ID: 22

Type: **not specified**

## **Duty cycle and redundancy: quantitative science metrics**

*Thursday, 21 May 2026 15:20 (20 minutes)*

**Session Classification:** Geometry session 3

Contribution ID: 23

Type: **not specified**

## **Infrastructure risk and single-site containment**

*Thursday, 21 May 2026 15:40 (20 minutes)*

**Session Classification:** Geometry session 3