

WG3 WORKSHOP
**Non-destructive Spectroscopic Sensors (NDSS) data management
issues: Challenges and recommendations**

Thursday 26 January 2022

Department of Chemical and Geological Sciences www.dscg.unimore.it
Aula U0.3, Via Campi 103 Modena – Italy

AGENDA

8:50 Registration

9:10 Welcome (Lola Pérez-Marín and Marina Cocchi)

9:20 – 10:00 Invited Lecture 1. Claudia Beleites – Claudia Paoletti
NDSS Sampling issues and strategies

10:00-10:20 Discussion

Short contributed

10:20-10:30 S1 Non destructive methods for food analysis (Amna Sahar)

10:30-10:50 Coffee break

10:50- 11:30 Invited Lecture 2 José Blasco – Raffaele Vitale – José Amigo
In-process NDSS real-time analysis

11:30-11:50 Discussion

Short contributed

11:50-12:00 S2_On-line sensors based on NIRS (Cecilia Riccioli)

12:05-12:15 S3_Time series modelling of continuous NDSS signals (Ingrid Måge)

12:20 – 13:30 Lunch

13:30-14:10 Invited Lecture 3 Federico Marini
Data Fusion of diverse NDSS spectra, images

14:10-14:30 Discussion

14:30-15:10 Invited Lecture 4 Valeria Fonseca Diaz – Jean Michel Roger
NDSS Model maintenance and calibration transfer

15:10-15:30 Discussion

Short contributed

15:30-15:40 S4 Model maintenance and transfer learning (Ramin Nikzad-Langerodi)

15:45-15:55 S5 Advances in calibration transfer (Andrew Parrott)

16:00-16:10 S6 Calibration transfer using wavelength correspondence (Erik Tengstrand)

16:15-16:35 Coffee break

16:35-17:15 Invited Lecture T. Fearn – J.A. Fernandez Pierna

Validation issue in NDSS monitoring including long-term monitoring

17:15-17:35 Discussion

Short contributed

17:35-17:45 S7 Conditional Entropy-based predictions (Ahmed Menevseoglu)

17:50-18:15 Summary of the day

20:00 Social dinner