



# The 16th International Conference on Accelerator Mass Spectrometry

Monday, October 21, 2024

## Applications in Atmospheric and Environmental C-14 (10:50 AM - 12:10 PM)

-Conveners: Jocelyn Turnbull

| time  | [id] title  | presenter           |
|-------|---|---------------------|
| 10:50 | [M241] Radiocarbon tracing deep carbon emissions from the Tibetan Plateau   | Prof. XU, Sheng     |
| 11:10 | [M24] Advanced 14C dating on organic carbon with distinct bond strengths for terrestrial carbon cycling dynamics              | WANG, Hong          |
| 11:30 | [M79] The sources and the range of renewable content in biofuels: implications to the precision and accuracy of certification | Prof. MACARIO, Kita |
| 11:50 | [M30] Applications of <sup>14</sup> C tracing the deep carbon in the Changbaishan volcanic area                               | WANG, Linan         |

## Applications in Atmospheric and Environmental C-14 (1:30 PM - 2:50 PM)

-Conveners: Sheng Xu

| time    | [id] title   | presenter                             |
|---------|--|---------------------------------------|
| 1:30 PM | [M38] Fossil fuel CO <sub>2</sub> tracing by atmospheric 14CO <sub>2</sub> measurements in China   | Prof. NIU, Zhenchuan                  |
| 1:50 PM | [M28] Palaeoenvironmental variations of the past 3000 years in Russian Altai: insights from 14C and 210Pb/137Cs dating and elemental records of Lake Kolyvanskoe | Dr LI, Hong-Chun<br>Dr MISRA, SATABDI |
| 2:10 PM | [M75] Analysis of 14C radioactivity in seawater of Beibu Gulf, Guangxi, China, using GXNU-AMS  | OUYANG, He                            |
| 2:30 PM | [M172] 14C dating in forensics: the CMP (Committee on Missing Persons) project for the identification of missing persons   | QUARTA, Gianluca                      |

## Applications in Atmospheric and Environmental C-14 (3:10 PM - 4:50 PM)

-Conveners: Zhenchuan Niu

| time    | [id] title   | presenter         |
|---------|--|-------------------|
| 3:10 PM | [M163] CarbonWatch-Urban: Application of atmospheric radiocarbon measurements to evaluate and monitor urban carbon dioxide emissions               | TURNBULL, Jocelyn |
| 3:30 PM | [M156] Numerical simulation of evolution of dissolved inorganic carbon chemical and isotopic compositions (13C and 14C) in carbonate-bearing areas | Dr ZHONG, Jun     |
| 3:50 PM | [M206] Inter-comparison between 81Kr- and 14C-dating of groundwater  | Mr LI, Hao        |