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Joint ICTP-IAEA Advanced Workshop on Accelerator Mass Spectrometry Radiocarbon Dating for Heritage and Forensic Sciences | (smr 3839)

Monday 22 May 2023

- Adriatico Guest House - Kastler Lecture Hall (10:00-17:00)

time	title	presenter
10:00	Welcome and opening of the Workshop	ALIZ SIMON (IAEA, AUSTRIA), RALF KAISER (ICTP, ITALY), TIMOTHY JULL (ARIZONA UNIVERSITY, USA)
10:30	Introduction of the Participants	
11:00	Overview of the IAEA activities in support of "Atoms for Heritage"	ALIZ SIMON
11:30	ICTP: a knowledge hub for physicists and mathematicians	RALF KAISER
12:00	State of the art of accelerator mass spectrometry radiocarbon dating technique	TIMOTHY JULL
13:00	Lunch break	
14:00	Introduction to Radiocarbon: An Overview about origin, distribution, sample preparation and conventions	MATTHIAS HUELS
15:00	New perspectives of iron artifacts dating	MIHALY MOLNAR
15:30	The potential of radiocarbon-based biogenic fraction analysis of fuel, plastic, food, drug and cosmetic products	TAMAS VARGA
16:00	Radiocarbon in the environment Radiocarbon distribution in atmosphere and biosphere; Reference ^{14}C data for forensics	MATTHIAS HUELS