

GEOTRACES

MONTHLY ONLINE SEMINAR

shared theme, cross generation, cross region

Organised by:



seminar #4

Particle dynamics, scavenging & aggregation
August 25, 2026 @ 15:00 CEST

By Zoom:



Meeting ID: 636 5773 3493

Passcode: 651026

<https://geomar-de.zoom.us/j/63657733493?pwd=6Uman0pQaKQ56P9SkXoUfz55XqqO7a.1>



Prof. Christopher Hayes
University of Southern
Mississippi

From adsorption to regional boundary scavenging: bridging scales of trace element removal from the ocean

“In this talk, I will review the history of the role of scavenging in chemical oceanography and results from our group showing how productive gyres, upwelling zones, hydrothermal plumes and nepheloid layers can all be seen as regional centers of scavenging removal.”

Particle composition effect on trace metal scavenging in the global ocean

“In this talk, I will highlight the disproportionate importance of manganese oxides in scavenging multiple TEIs in the global ocean, despite their relatively low abundance, and recent advancements in particle scavenging models that incorporate surface area into parameterizations.”



Asst. Prof. Yang Xiang
Louisiana State
University