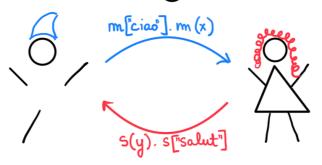
S SSION TYPES

Le 3: Multiparty

MGS 2024

Matteo cclavio & Sonia Marin



Multiparty session - "generalize" binary session types to the case of more 1 two participants.

The central idea is to inhoduce global types, which describe multiparty communication at a hi level and provide a means to check protocol compliance.

It was originally in 'I by the design of an industrial language for putocol descri - n.

This requires us to slightly change our puspective on what we have done so far.

Indeed we have look I at process terms (implementation) and questioned whether they could types, i.e. corresponded to any protocol description bottom-up approach

The alternative is to look at session types as <u>specifications</u> of the concurrent proto we are interested in and <u>check</u> whether a given process ter <u>implements the expected communication</u>.

top-down approach