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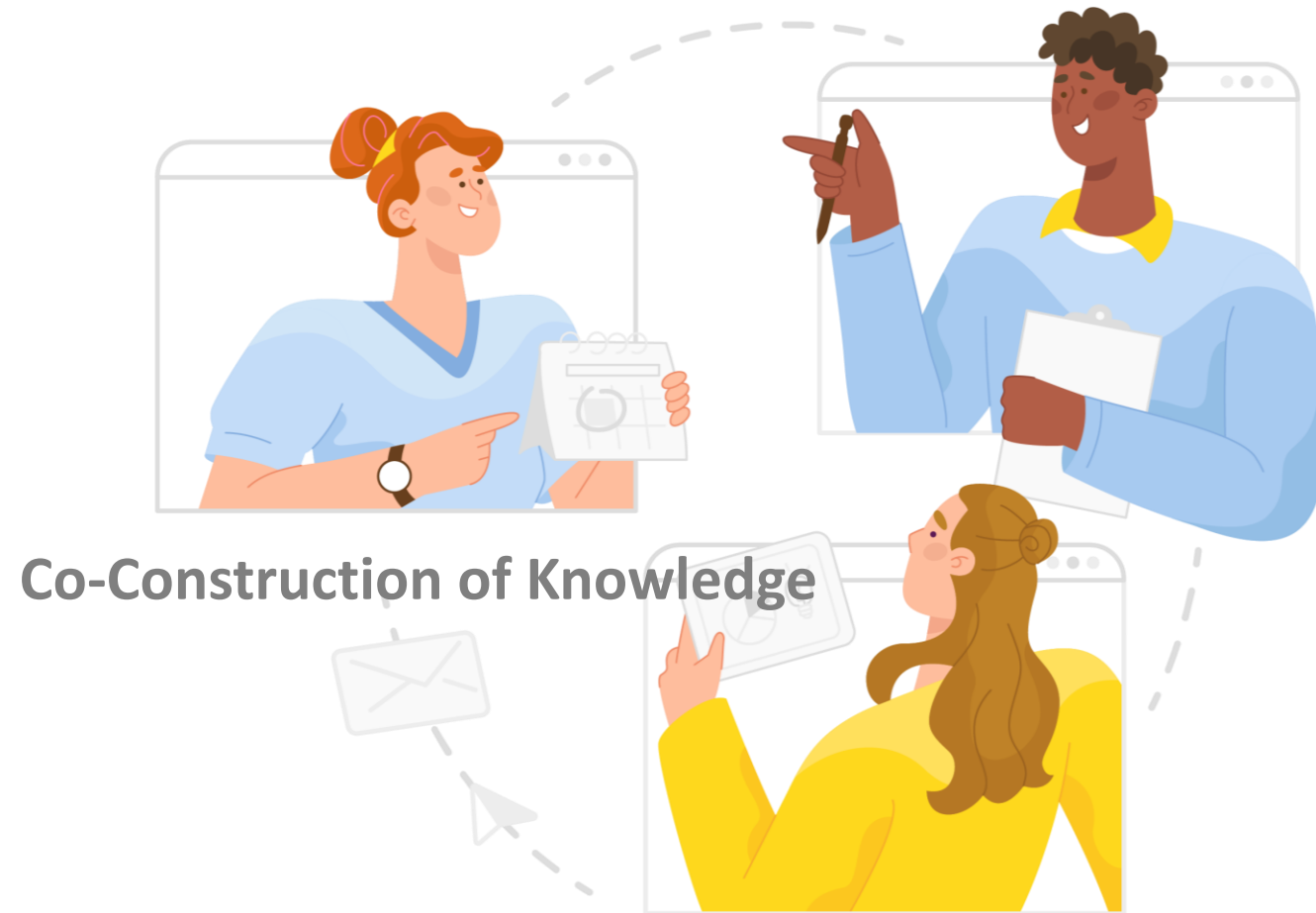
GENDER & CSCL

**Exploring the Relation of Computer-Supported
Collaborative Learning (CSCL) and Gender Bias in
Research and Practice**

Ph.D. Defense Dana Kube 29.11.2024



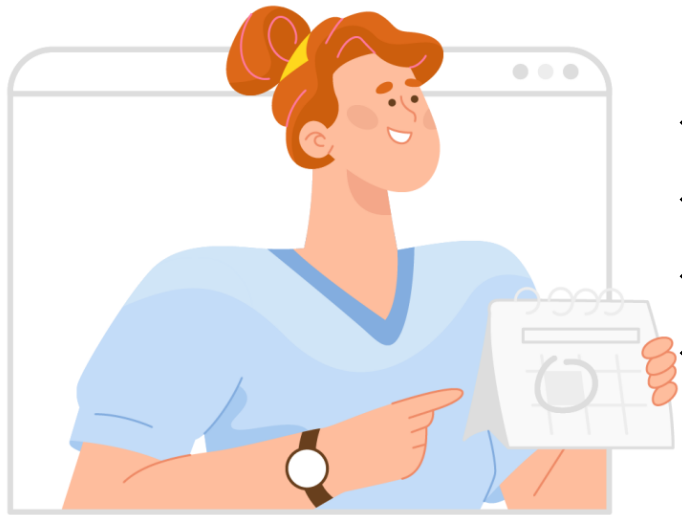
Computer-Supported Collaborative Learning (CSCL)



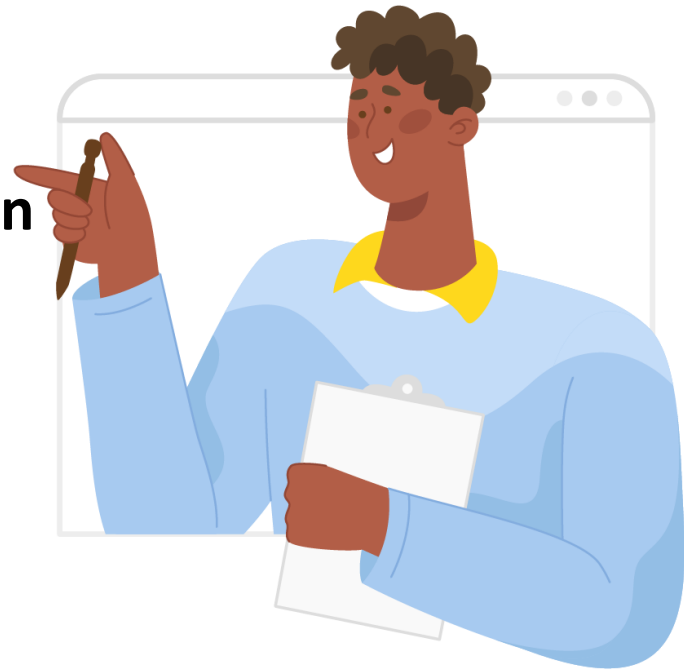


Gender

Co-Construction of Gender



- ❖ **Gender Identity**
- ❖ **Gender Expression**
- ❖ **Gender Roles**
- ❖ **Gender Bias**





Measuring Gender

“Few researchers would argue that age is best measured with the two response categories ‘young’ and ‘old’, but gender is still most often measured as a dichotomous variable.”

Lindqvist, A., Sendén, M. G., & Renström, E. A. (2020).

What is gender, anyway: a review of the options for operationalising gender.

Psychology & Sexuality, 12(4), p.332. <https://doi.org/10.1080/19419899.2020.1729844>

Gender & CSCL

- ➔ **Literature Review: No coherent results regarding gender in CSCL reseach (Chapter 2)**
- ➔ **GCM Study: Gender bias prevalent in STEM learning (Chapter 3)**
- ➔ **Hackathon Study: CSCL research should address gender aspects such as gender bias in STEM (Chapter 4)**

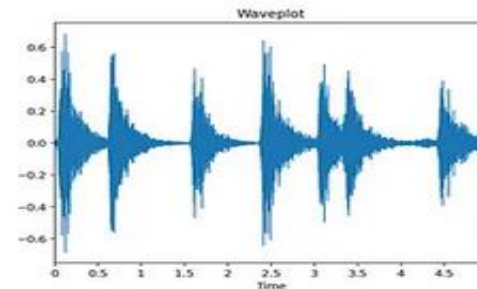
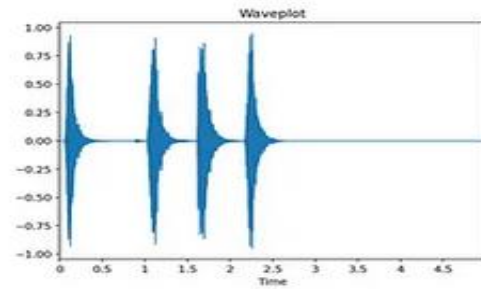
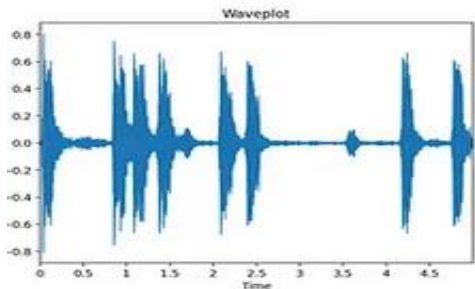


Escaping Binary Gender Roles: Gender Diversity Dynamics in a CSCL-Escape Game



Photo of CSCL escape game scenario in Minecraft (Chapter 5)

Speech Recognition & Transcription



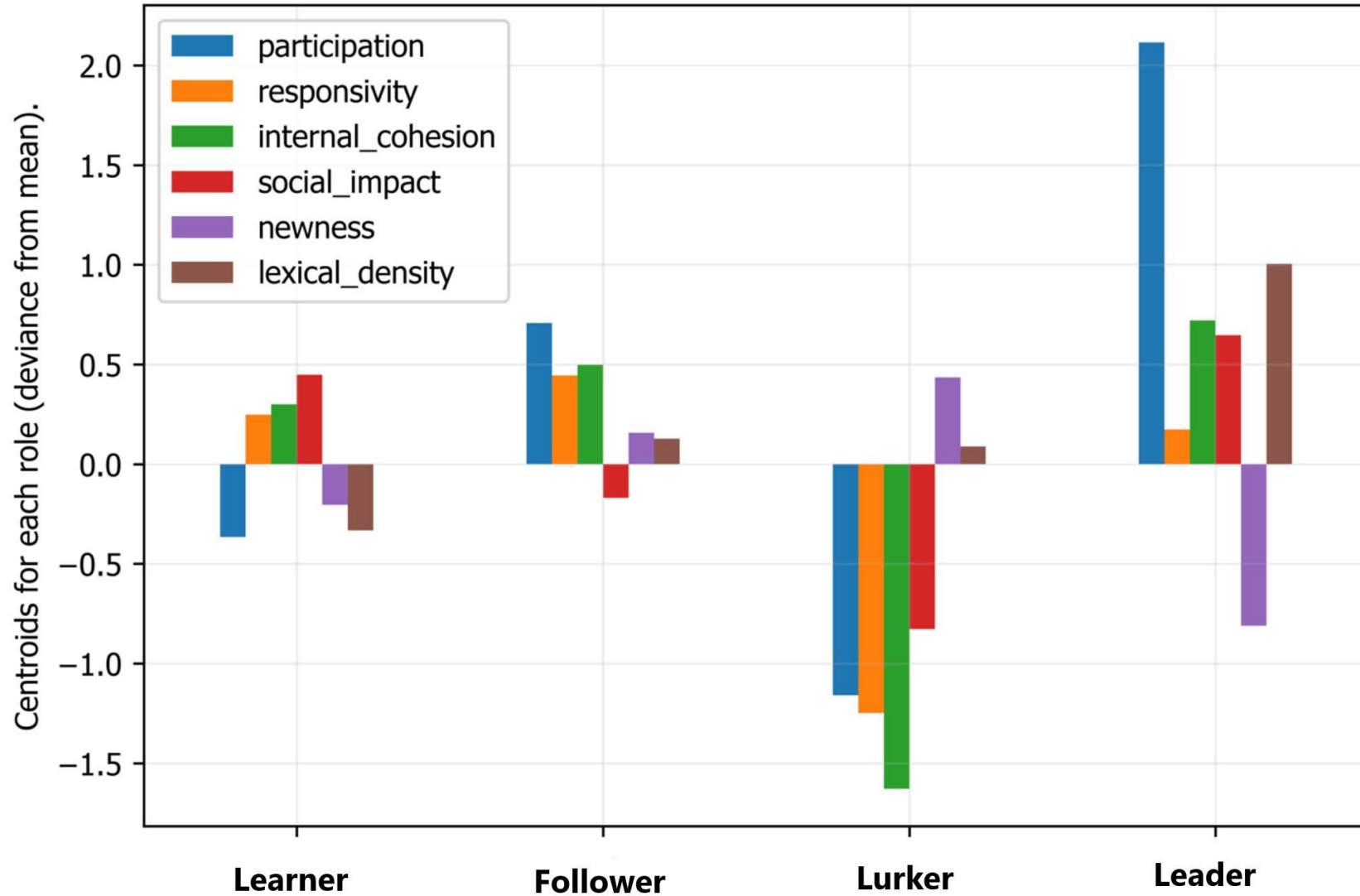
What is everyone's
role in the
CSCL game?



Transcript
Player1: "Team, we need a strategy.
How do we get the agent to
that plateau?"
Player2: "I'll check the lexicon."
Player3: "Cool. Cool. Cool. Cool. Cool."

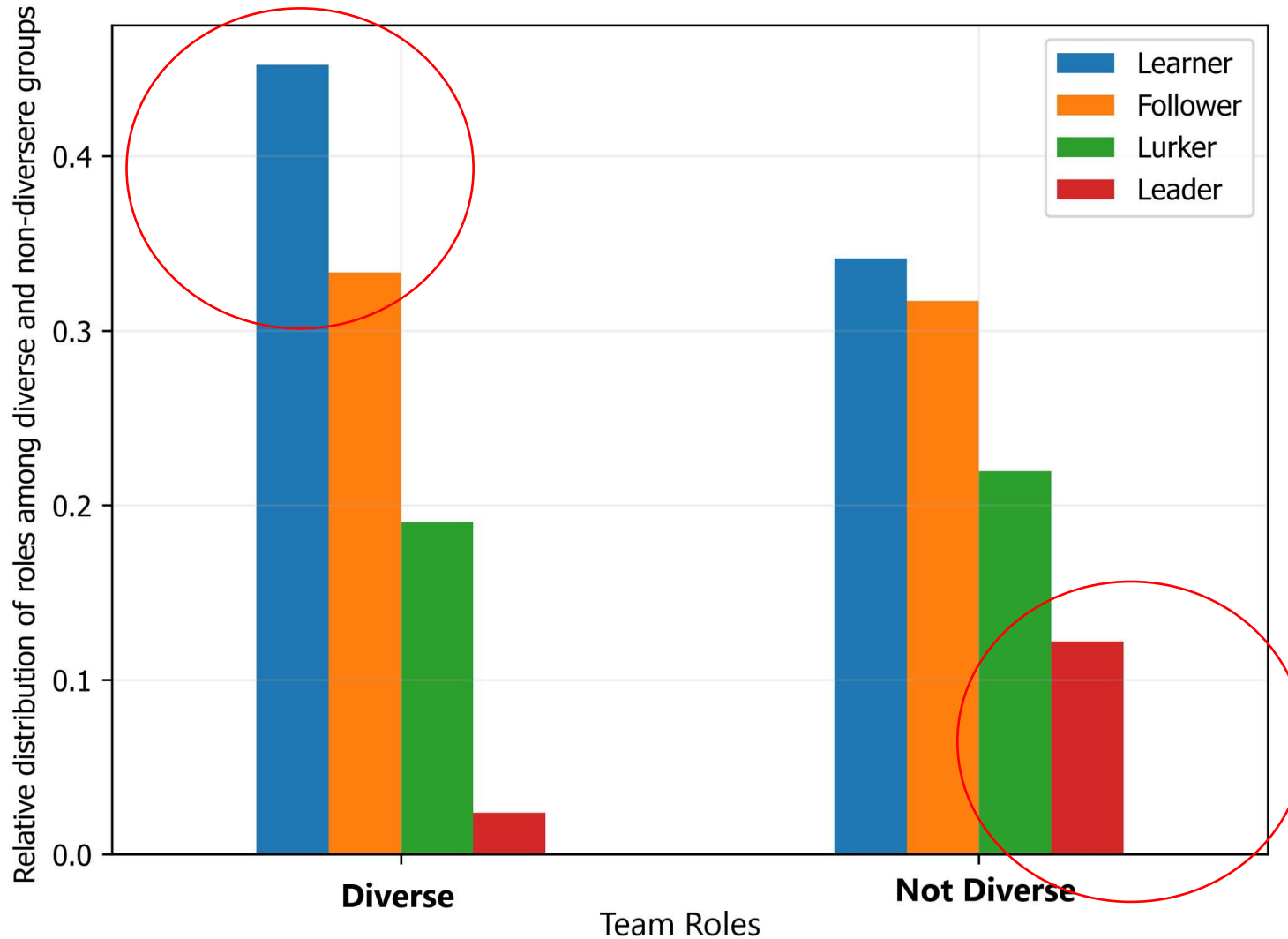


Group Communication Analysis: Roles in CSCL



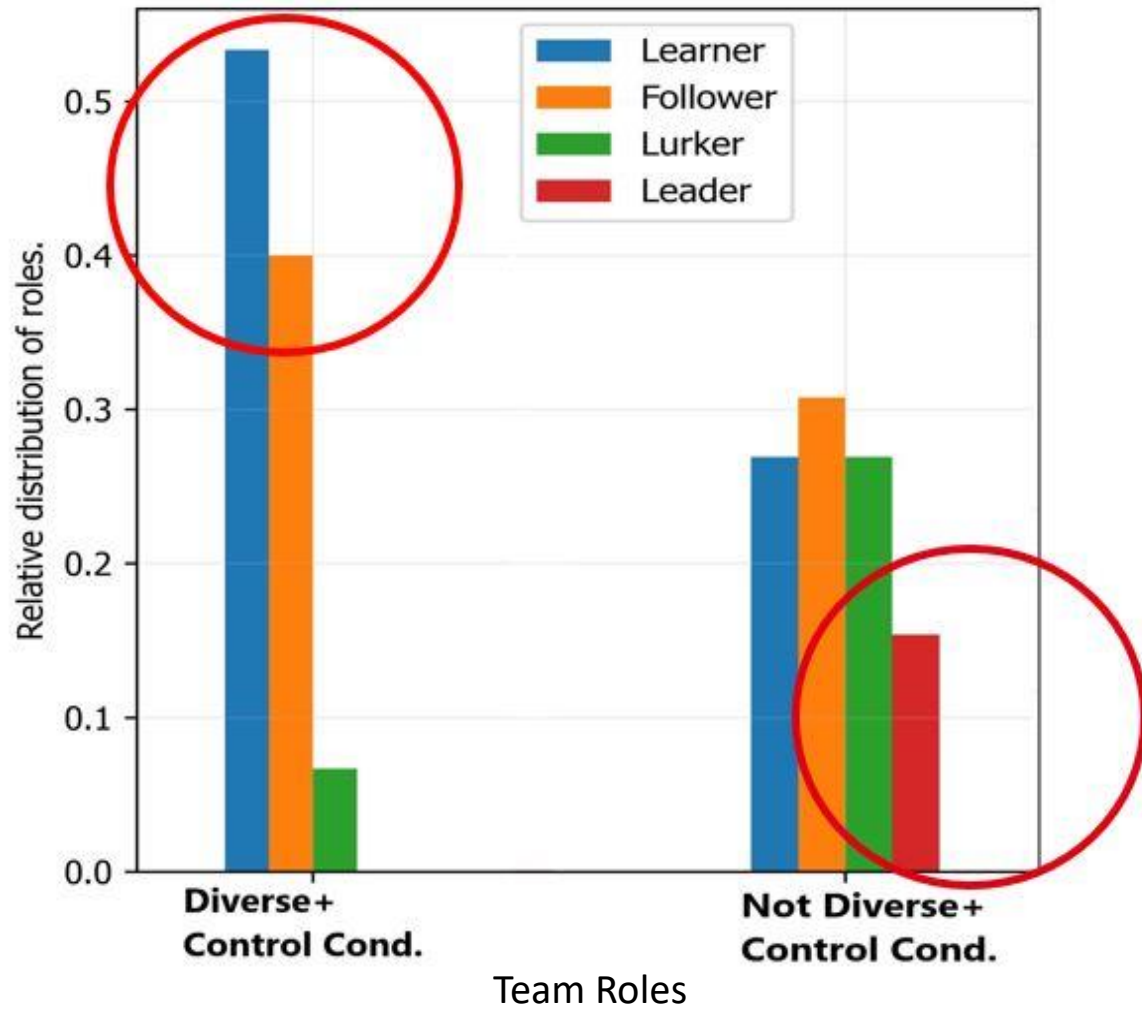


Comparison of Roles in Gender-Diverse and Non-Diverse Teams

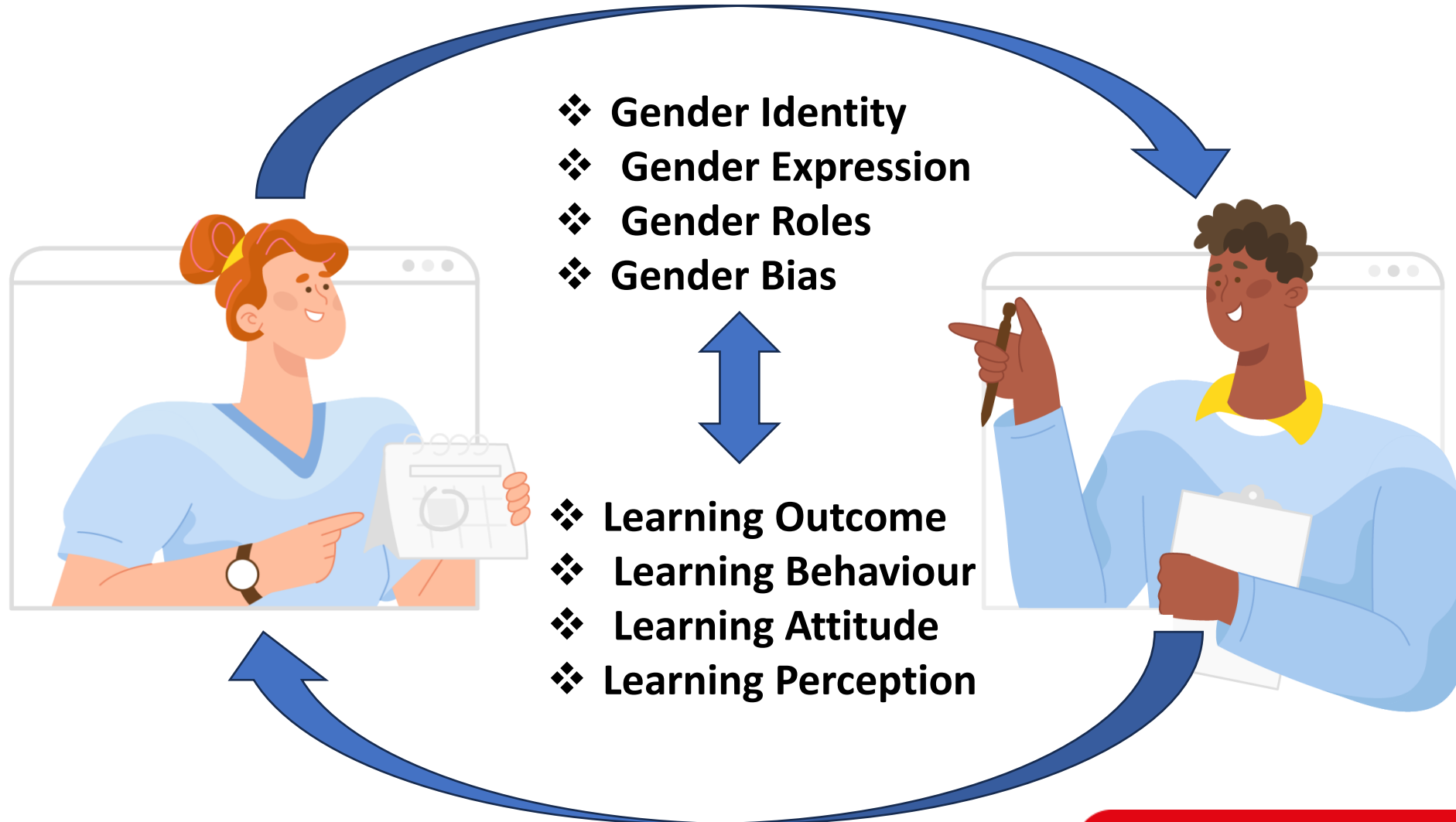




Comparison of Roles in Gender-Diverse and Non-Diverse Teams with Social Interdependence



Outlook: Gender & CSCL



Ph.D. Defense 29.11.2024



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Publications

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A large red graphic with the words "THANK YOU" in white, bold, sans-serif capital letters. The graphic is surrounded by a large number of small black bird silhouettes flying in various directions. The background of the entire slide is a black and white photograph of a large flock of birds flying over a field of tall grass.

THANK
YOU