

# Session 5: Conceptualizations of Interaction

Moderator: *Thea Ionescu*

Dept. of Psychology, UBB

# Overview

- Main ideas of the three contributions
- What interaction is and is not...
- Questions to spark discussions

# Contributions

- BRIEDIS Mindaugas, Université Mykolas Romeris, Lithuanie, *Interactions in Image-Based Medicine: From the Intersubjective Encounter with Technology to the Constitution of Individual Professional Skills*
- FAICIUC Lucia, Romanian Academy, Cluj-Napoca Branch, Psychology Research Group, Roumanie, *A nonlinear dynamic approach of the notion of interaction*
- MIRANDA MEDINA Juan Felipe, Universidad Católica San Pablo, Pérou, *Interaction in Challenge: A Semiotic Approach to Afro-Peruvian Zapateo*

# Paper 1 – *Interactions in Image-Based Medicine*, Mindaugas Briedis

- Enactive approach to oncoradiology
  - Embodied subjectivity in seeing and reading radiographies
  - Professional intersubjectivity when learning radiology
  - Going beyond learned and stored representations to how images are perceived enactively
- Three aspects:
  - Identify and classify pathologies
  - Diagnostic strategies
  - Professional collaboration
  - Two main levels: personal performance and interpersonal collaboration

- The author engages in ethnographic observations
  - There are highly abstract images □ perceptual process □ pictorial aspects □ linguistic formulation of diagnosis
  - Engagement with the image on a bodily level □ causal impressions
  - Role of intersubjectivity: pointing, gestures, and language
- How is the body used in intersubjective interpretation of radiology images by colleagues?

## Paper 2 – *A nonlinear dynamic approach of the notion of interaction*, Lucia Faiciuc

- Explicit take on defining interaction
- From the “canonical” view – interaction as action and reaction – to the dynamic systems theory view – joint action, simultaneous action, ensemble
- Distributed cognitive system
- Continuous mutual interaction

- Dynamic law, evolution in time, states, attractors, trajectory, perturbations
  - Agents coupled with the environment
  - “One dynamical system cannot in general “steer” the trajectory of another dynamical system along any desired path” (Beer, 1995)!!!
  - Chaotic behaviors, impossibility of prediction of a future behavior
  - Interaction as a distinctive trait of the dynamic systems
- The unit of analysis?

# Paper 3 – *Interaction in Challenge*, Juan Felipe Miranda Medina

- Interaction within practice that implies challenge
- Start point: Afro-Peruvian step dance zapateo □ extrapolation to other movements
- External entities for feedback □ interactions between agents □ rivalry



# Interaction as...

- A social endeavour
- A dynamic system by itself
- A challenge

... and not...

- Action – reaction: only successive acts

# Open questions:

★ Should interaction be the unit of analysis or should all elements separately be units by themselves, including the action-reaction cycle?

★ Can we compare radiology to painting? Are the impressions they give the same?

★ Can we aim for a unitary conceptualization of interaction?

Thank you for your attention and please share your insights!