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The collective ochlotecture of large language models

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Jon Dron, December 5th, 2024







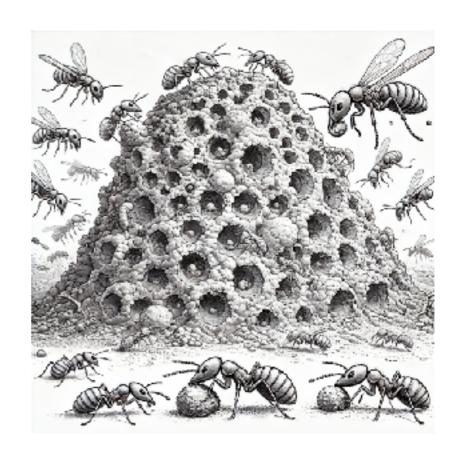
"Collective intelligence" a fuzzy, diversely applied term

- stigmergic and emergent swarms, flocks, hives, nests, trails, etc
- group behaviours towards intentional goals
- distributed cognition
- global brain

- 4E cognition
- community adaptability
- aggregate behaviours
- extended mind
- crowd wisdom
- connectomes
- etc
- etc



stupid mobs, wise crowds, smart organizations, etc



ochlotecture:

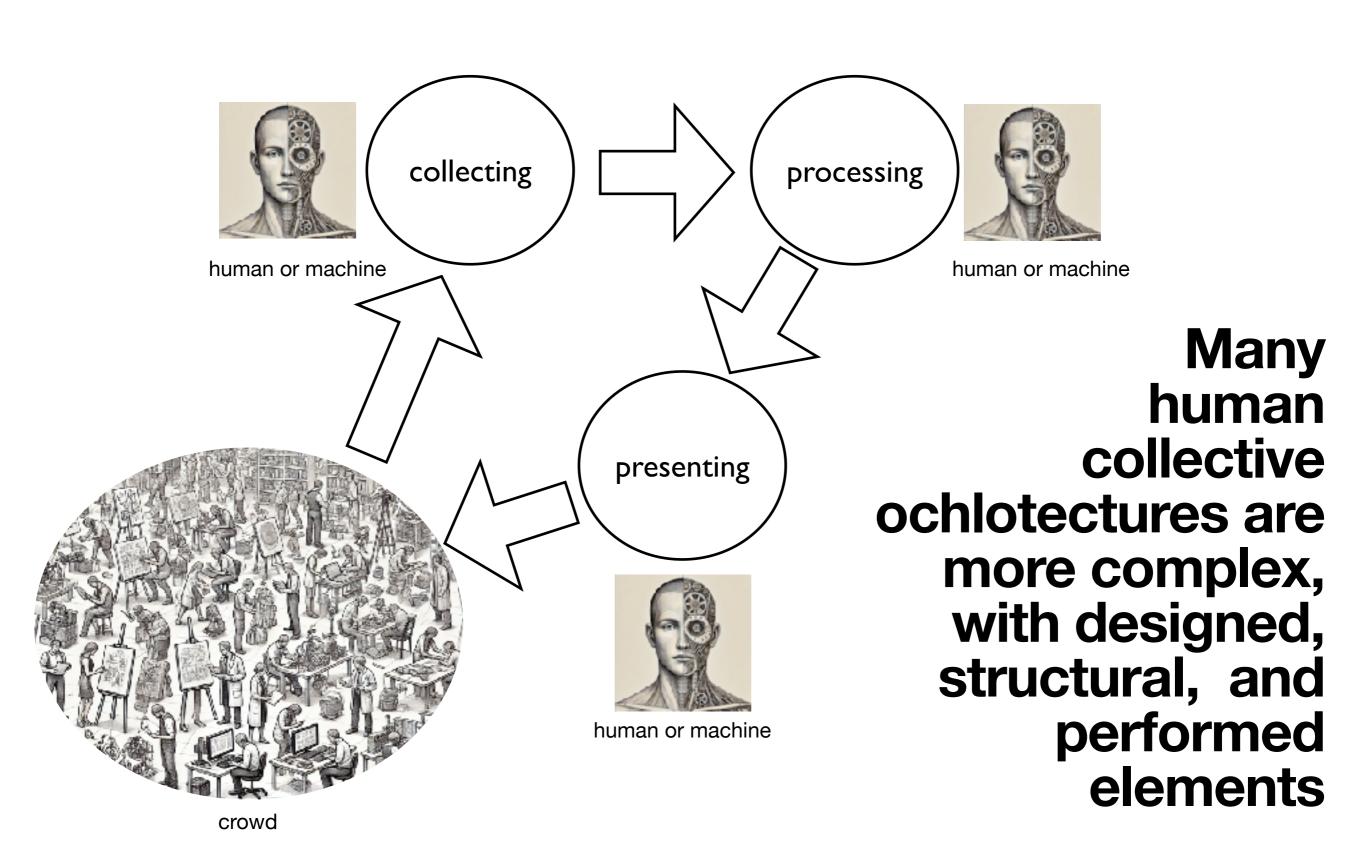
From the Classical Greek ὄχλος (ochlos), meaning "multitude" and τέκτων (tektōn) meaning "builder"

A few ochlotectural elements

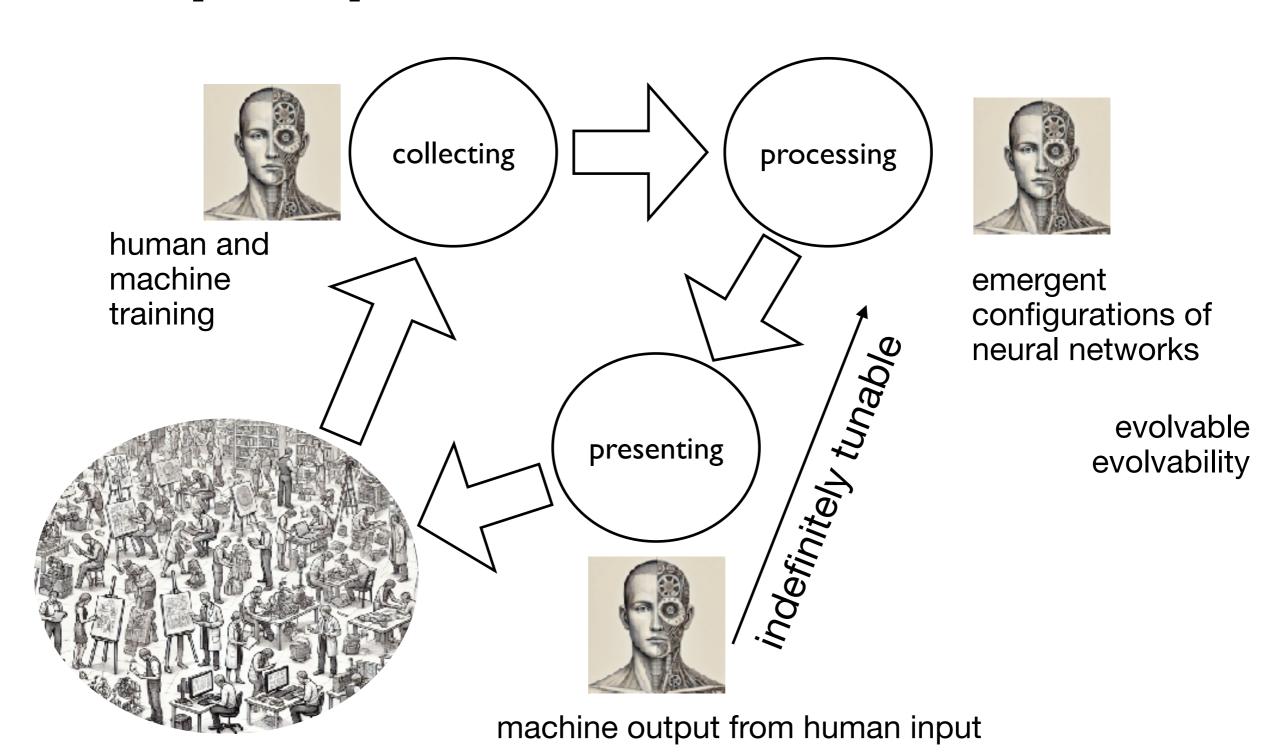
- rules
- membership
- EdgeRank
- room organization
- lecterns
- hierarchies
- norms
- wiki pages
- etc

- schedules
- Karma points
- uniforms
- rituals
- vocabularies
- discussion forums
- bulletin boards
- forms
- etc

Basic collective ochlotecture



LLMs as generalpurpose collectives



Education

1) A technology through which we learn to operate the technologies of our cultures and societies



2) A technology through which we form identities, attitudes, values, ways of thinking, ways of relating to others, ways of being

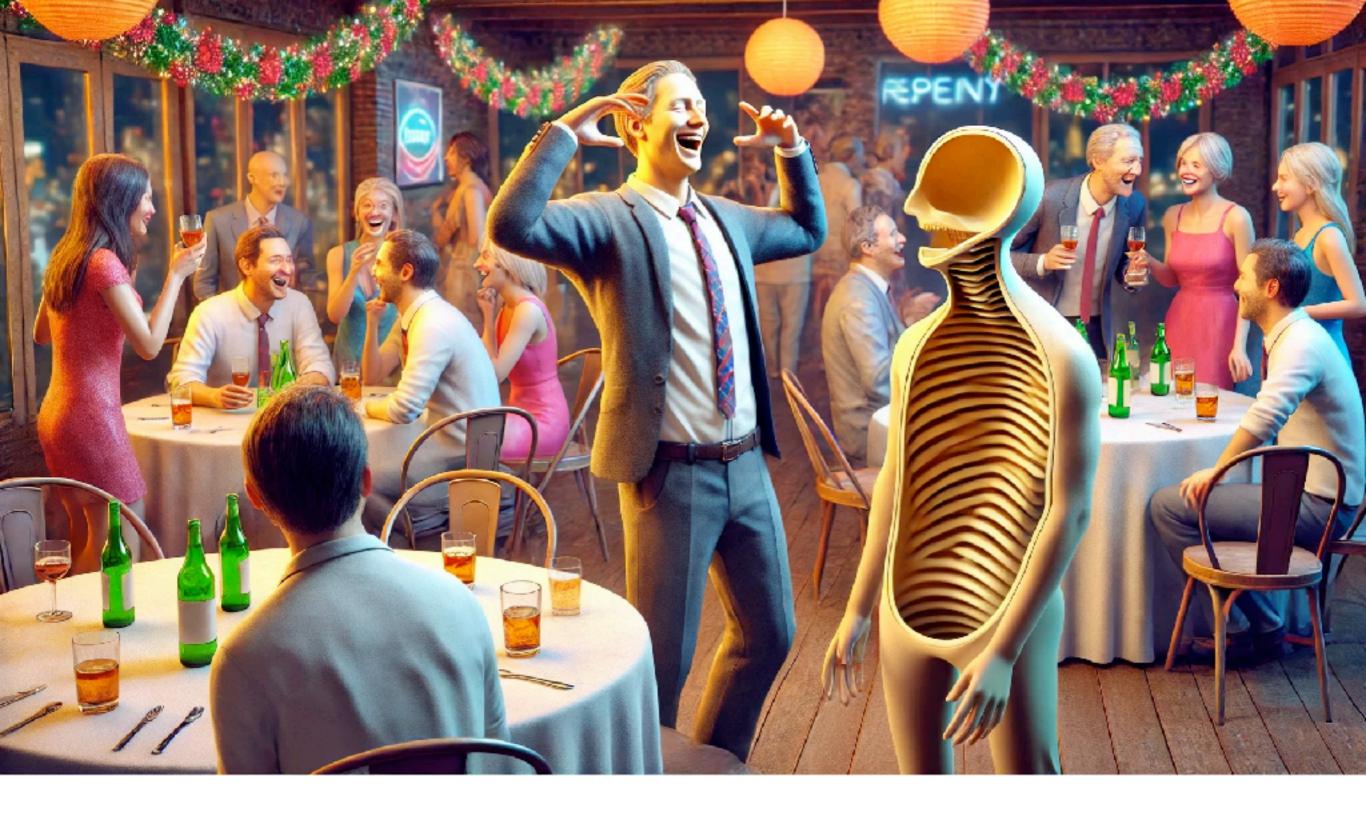
Until now, automation has replaced hard technique

(playing a correct role in a technology's orchestration)

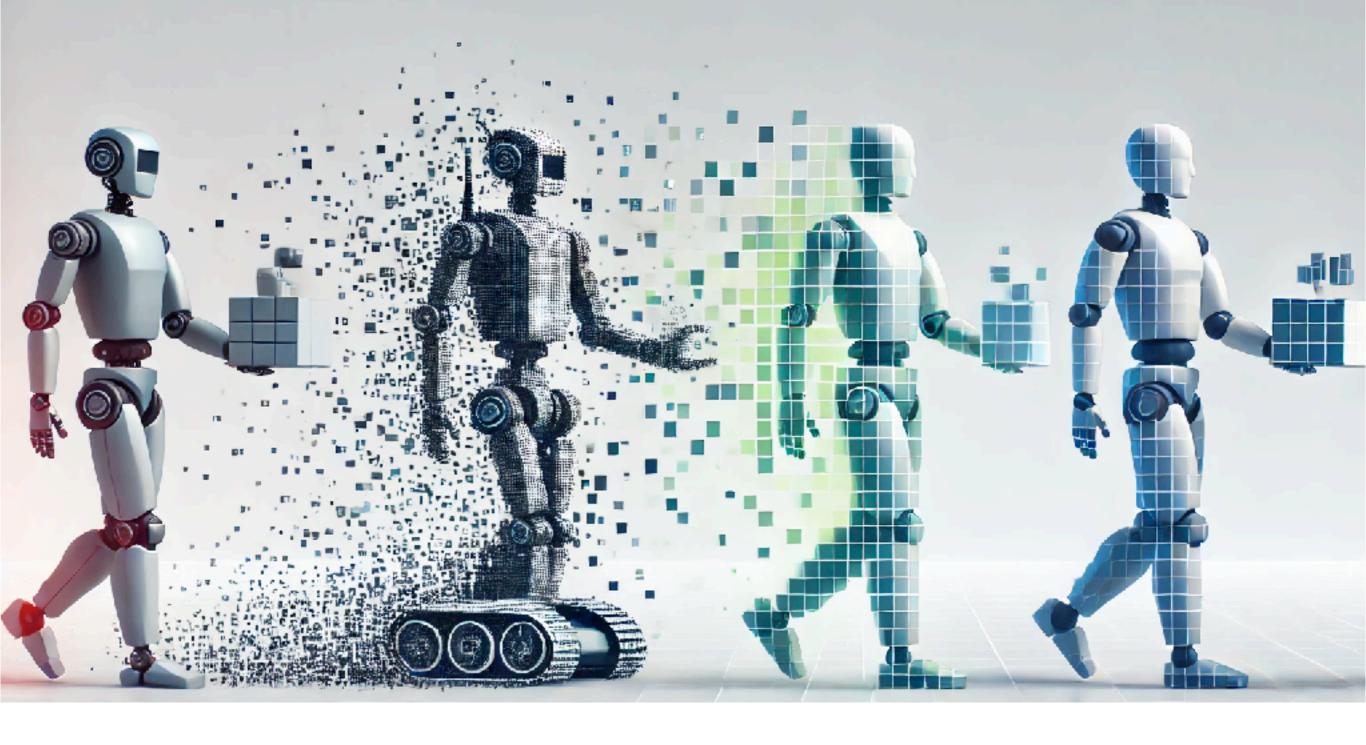


Generative Als replace soft technique

(orchestrating a technology)



No "they" there



Collective model collapse

Ochlotects for human

connection





Partners, not tools

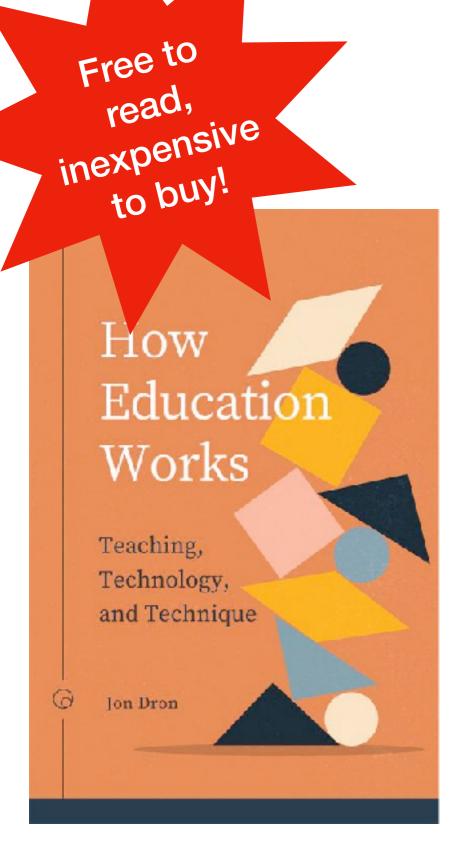


Embracing the tacit









Thank you

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other
books involving
collectives

https://teachingcrowds.ca



https://howeducationworks.ca