

An Overview of a Knowledge from its Topics and their Relations

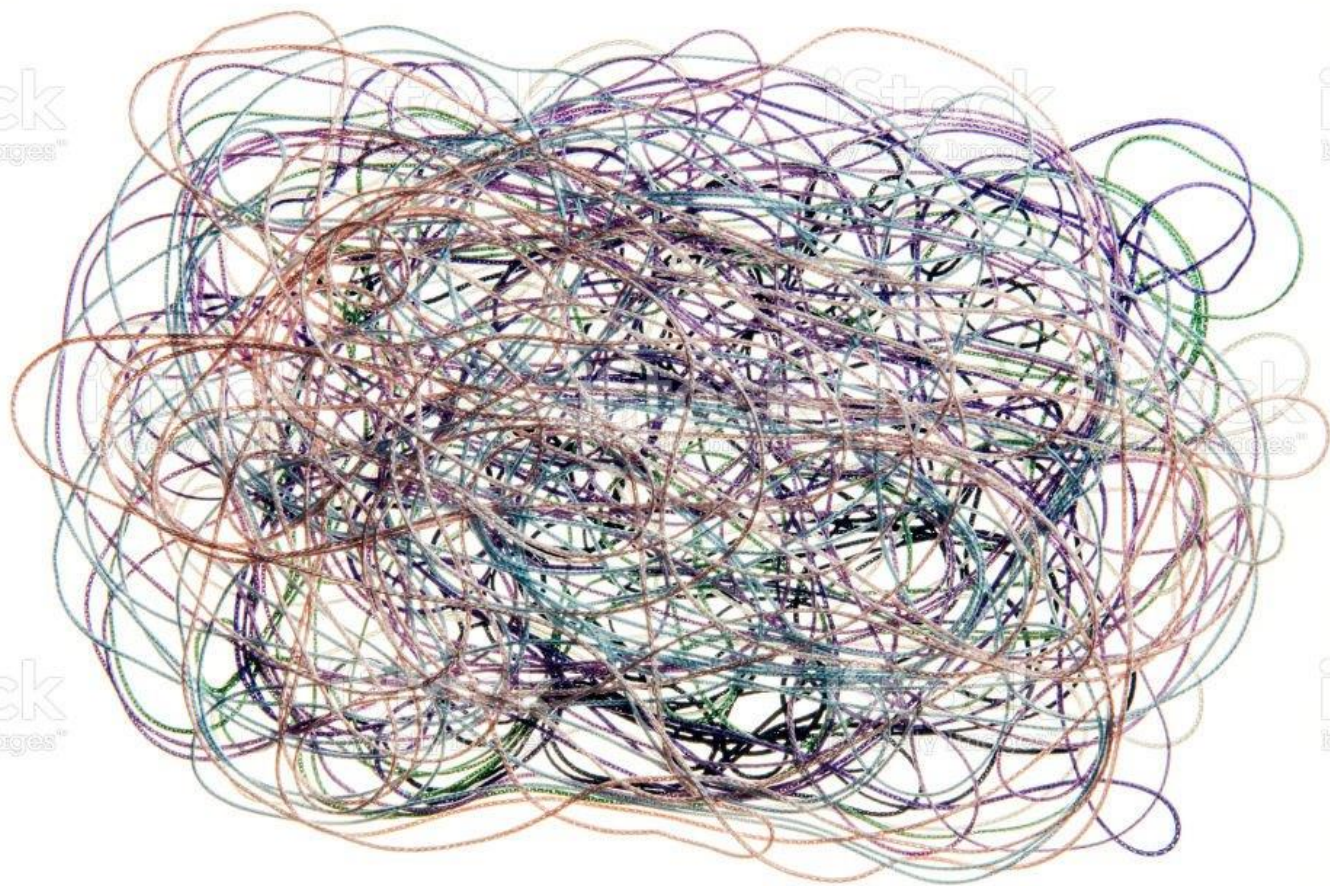
2022. 07. 05.

Jae Sook Cheong

Africa Multiple, Bayreuth University



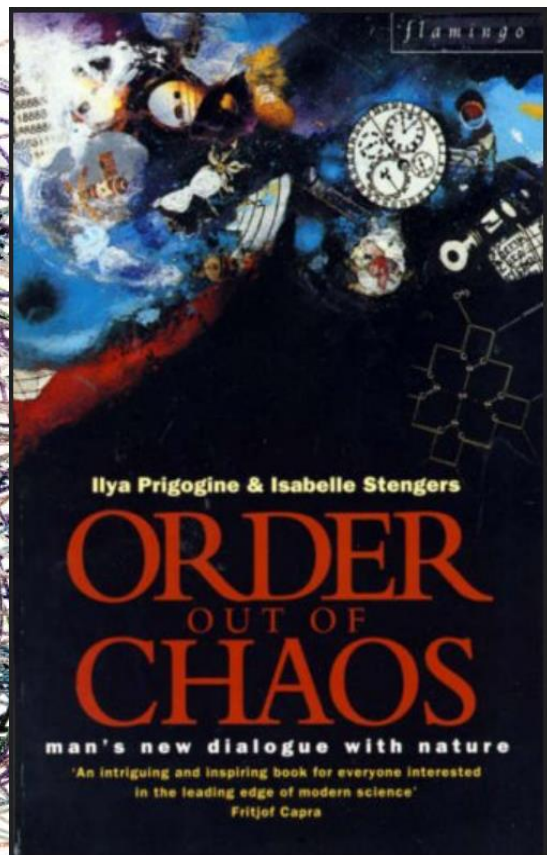
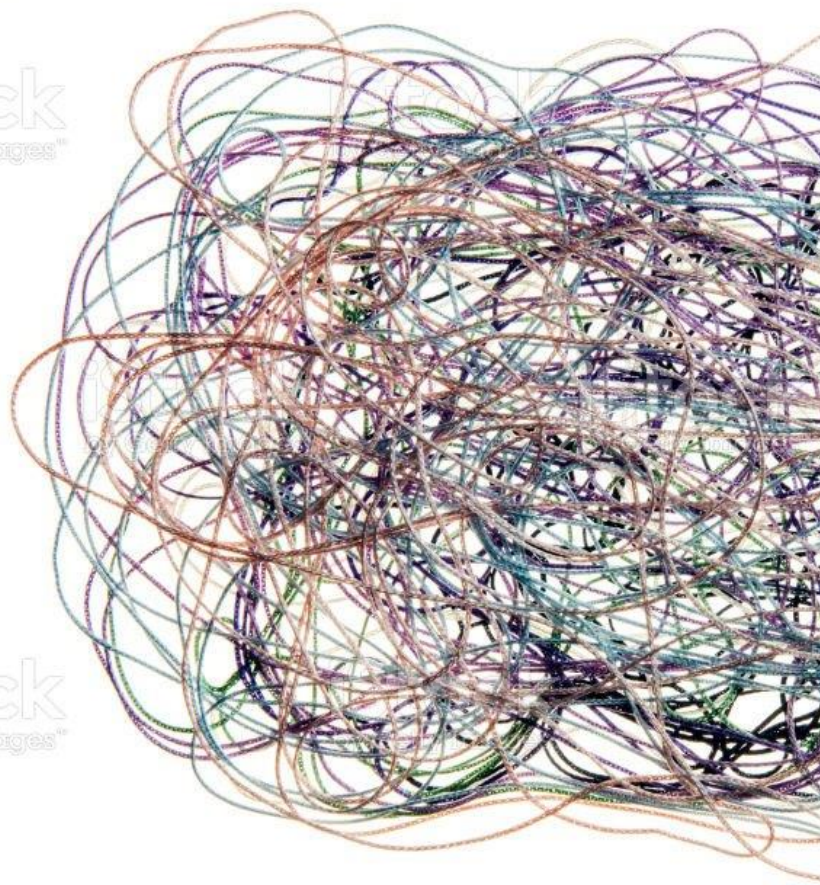




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Decision-Making and Silver Bullet



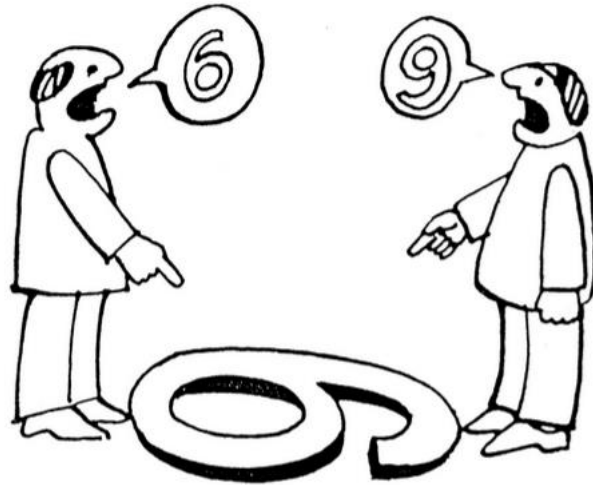
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Goals of “Africa Multiple”

- Reconfiguring African Studies
 - **overcoming disciplinary boundaries & regional isolation**
 - new forms of **collaborative** research
 - **new understanding** of contemporary issues

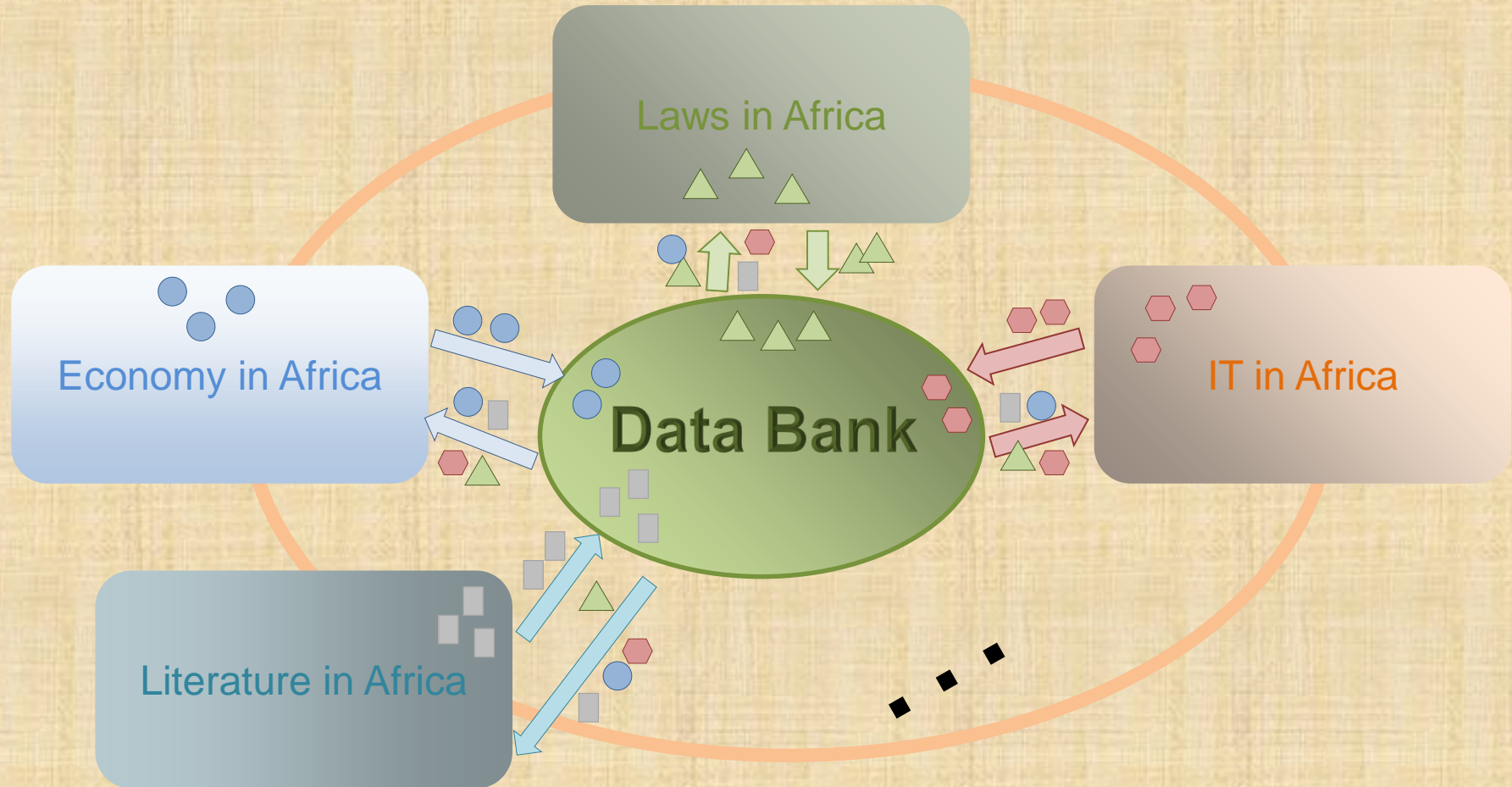


To study Africa through African eyes

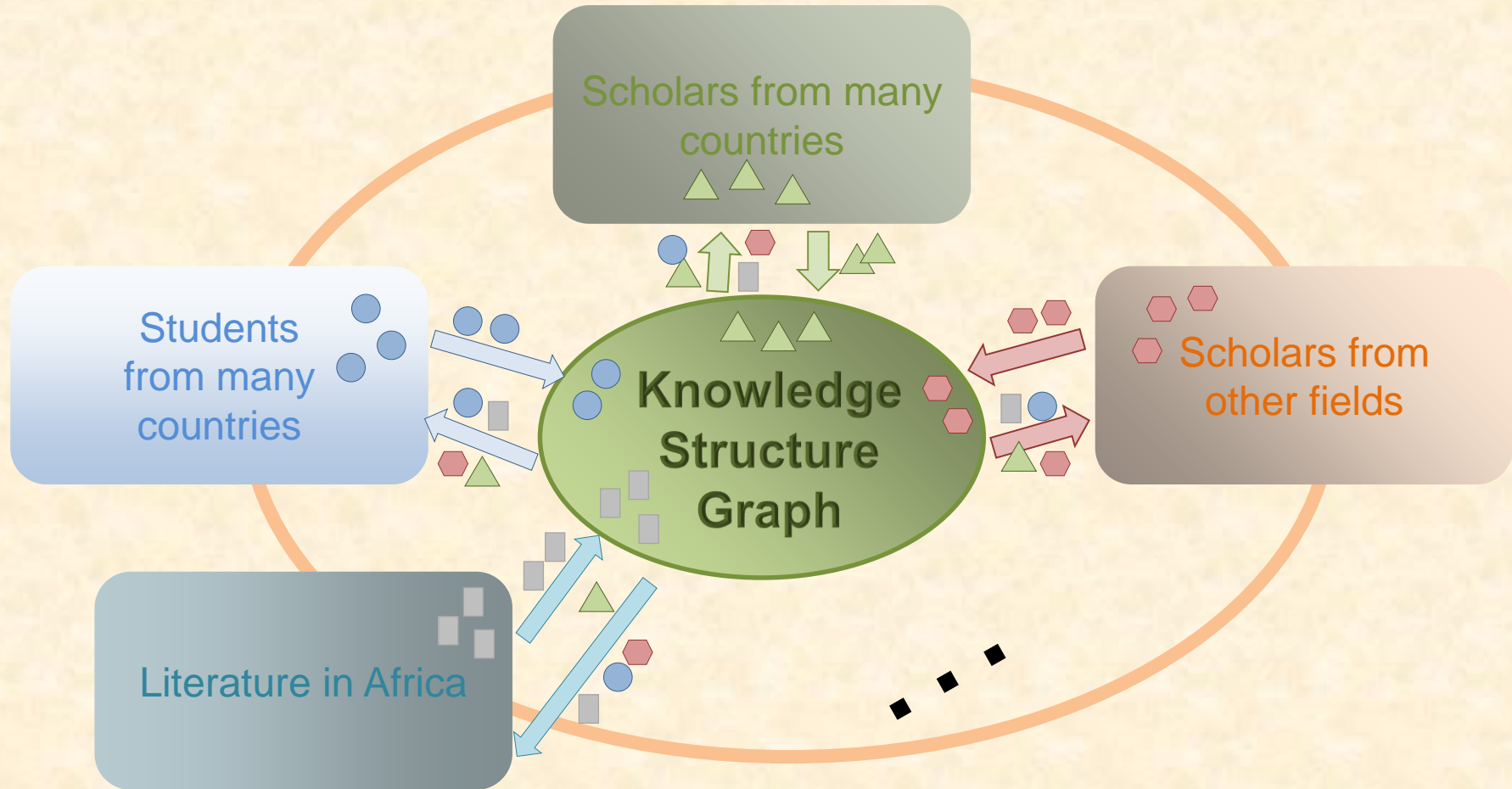


DRE Market

Interdisciplinary Aspect

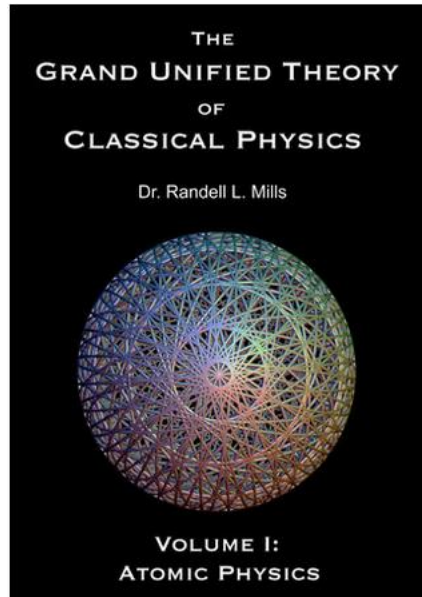


INTR/HT Teaching Platform



Perspectives from Knowledge Skeleton

- Example in Quantum Physics



Heisenberg Uncertainty Principle

According to Heisenberg's Uncertainty principle, "Position and momentum of an electron cannot be determined simultaneously with absolute accuracy."

Atomic Structure

Equation

$$\Delta x \cdot \Delta p \geq \frac{h}{4\pi}$$

$$\Delta x \cdot m \Delta v \geq \frac{h}{4\pi}$$

$$\Delta x \cdot \Delta v \geq \frac{h}{4\pi m}$$

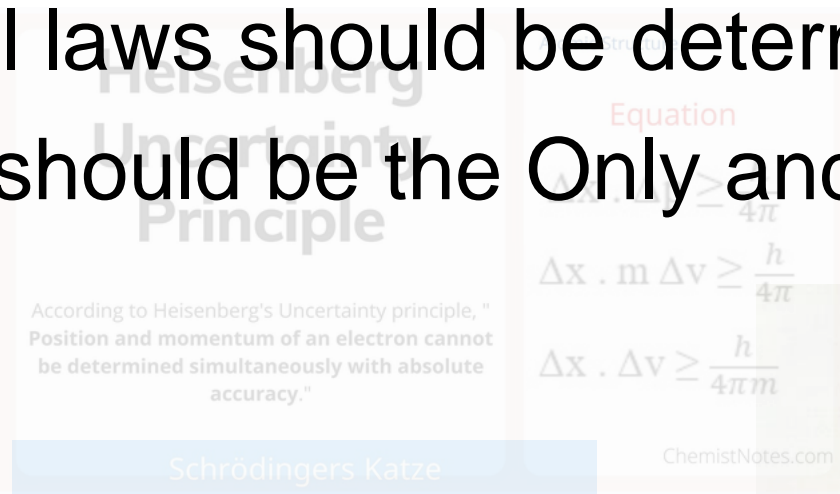
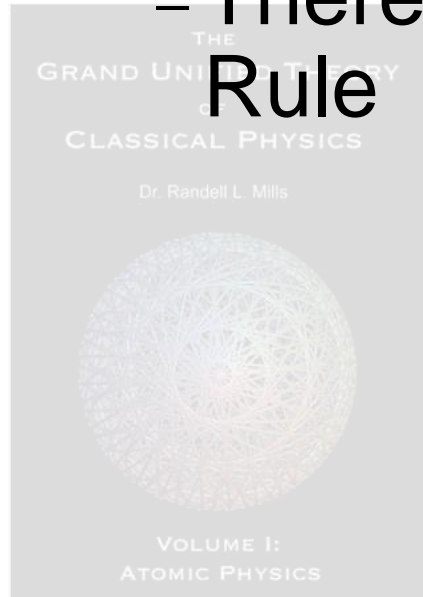
ChemistNotes.com

Schrödingers Katze



Perspectives from Knowledge Skeleton

- Example in Quantum Physics
 - Natural laws should be deterministic.
 - There should be the Only and One Master Rule



Constructing Knowledge Skeleton

- ACM Hypertext Conferences
 - Proceedings
 - Bibliographic Information of the Papers
- Nodes
 - Topics: Words from Session titles, Paper titles, Keywords, Authors, Author Affiliations
- Edges: Relations in the proceedings

Connecting Policies with Weights

- Title of the conference (for example, “ACM Hypertext 2020”) ---- weight 2 --- to all topics in session titles,
- titles, keywords, authors and their affiliations.
- Session title topics --- weight 4 --- all topics in titles, keywords, and authors.
- Session title topics --- weight 4 --- keywords in one session.
- Authors --- weight 5 --- their organization.
- Authors --- weight 4 --- title topics in one session.
- Title topics --- weight 5 --- Title topics of the same paper.
- Title topics --- weight 4 --- Title topics of different paper, in the same session.

Keynotes and Invited Talks

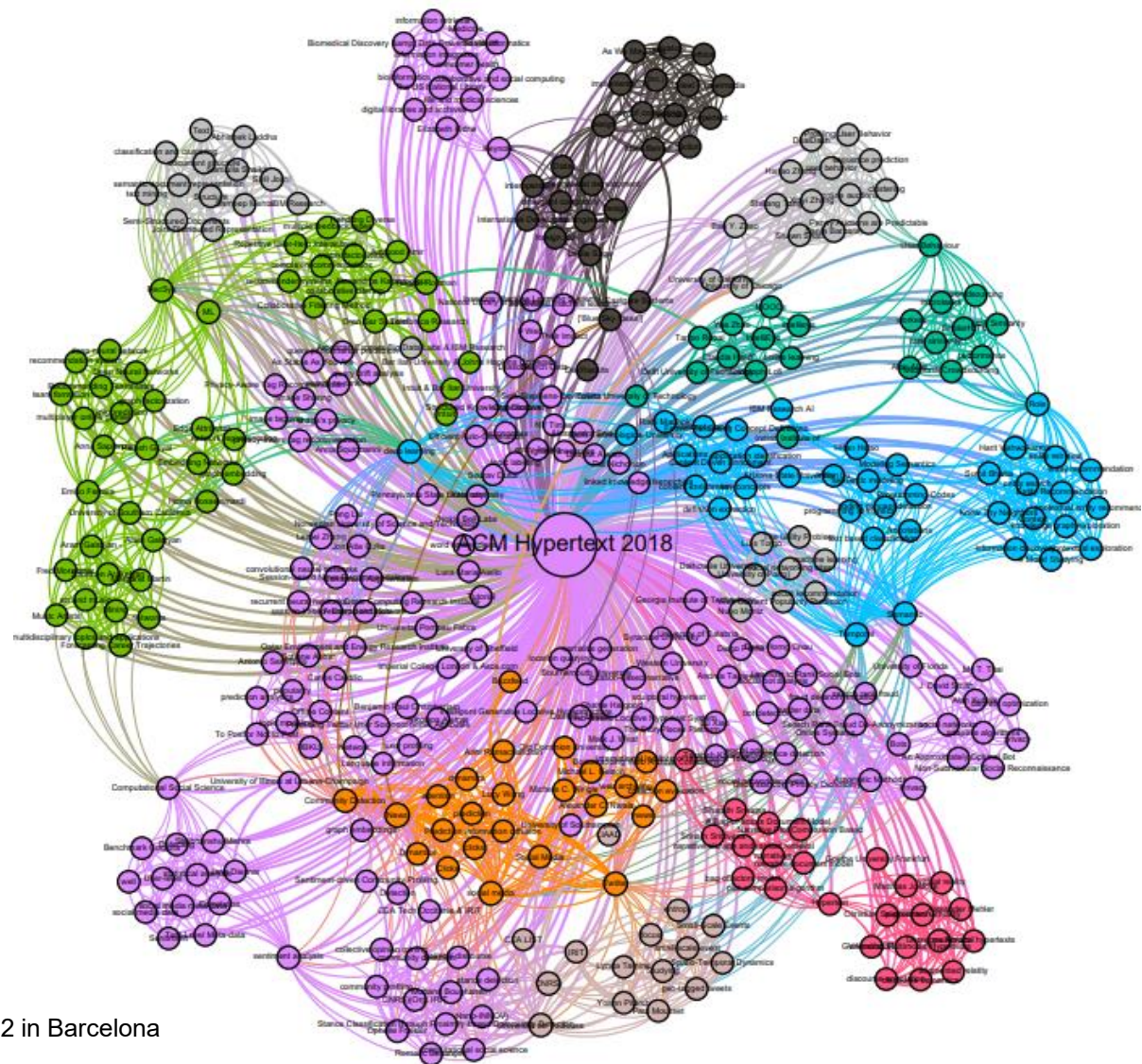
- **Tech Won't Save Us: Reimagining Digital Technologies for the Public** 1
Safiya Umoja Noble (*University of California, Los Angeles*)
- **Games, Hypertext, and Meaning** 3
Noah Wardrip-Fruin (*University of California, Santa Cruz*)
- **The Hypertext Years?** 5
Stuart Moulthrop (*University of Wisconsin-Milwaukee*)
- **Climates of Change: An Online Exhibition of Creative Work** 7
Jason Nelson (*Griffith University*), Anastasia Salter (*University of Central Florida*)

Session 1: Hypertext Literature

- **What Authors Think about Hypertext Authoring** 9
Sofia Kitromili, James Jordan, David E. Millard (*University of Southampton*)
- **Mediation as Calibration: A Framework for Evaluating the Author/Reader Relation** 17
Alessio Antonini (*The Open University*), Samuel Brooker (*Richmond University*)
- **On Links To Be: Exercises in Style #2** 27
Alessio Antonini, Francesca Benatti, Sally Blackburn-Daniels (*The Open University*)

Session 2: Hypertext Games and Digital Humanities

- **Hacking Droids and Casting Spells: Locative Augmented Reality Games and the Reimagining of the Theme Park** 37
Ray Eddy, Carissa Baker, Robert Macy, John Murray, Anastasia Salter (*University of Central Florida*)
- **Keeping People Playing: The Effects of Domain News Presentation on Player Engagement in Educational Prediction Games** 47
Gabriel Dzodom, Akshay Kulkarni, Catherine C. Marshall, Frank M. Shipman (*Texas A&M University*)
- **Augustine as "Naturalist of the Mind"** 53
Rosemary M. Simpson (*Brown University*)



HUMAN '22 @ ACM Hypertext 2022 in Barcelona



Workspace



jessica rubart

author-reader
interaction

KEYWORD -

sofia kitromili

human factors

... - KEY... -

hypertext

... -

KEY... -

anonymous so...

anonymous social... +

jessica rubart +

cognitive aspects +

decision making +

sofia kitromili +

calibration +

mediation +

alessio antonini +

samuel brooker +

collaborative tech... +

video games +

playable models +

operational logics +

reimagining digital... +

hypertext literature +

decision making

Zurücksetzen

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