#### MIA – Multimodal Information Architecture

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a mode language?

### MESURED BY ENTROPY

**SHANNON AND WEAVER (1963)** 











**MEANING** 

INFORMATION EXPLOSION

**BUSH (1979)** 

#### MULTIMODAL

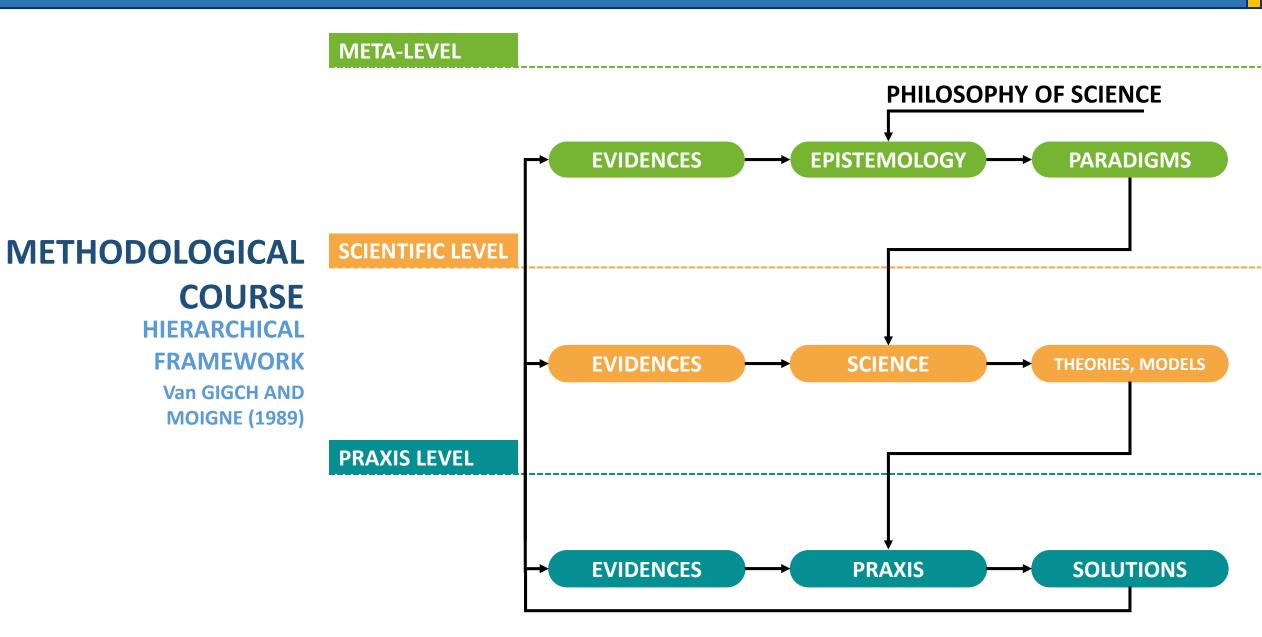
information architecture





WILSON AND SPERBER (2002)

human mind looks for RELEVANCE

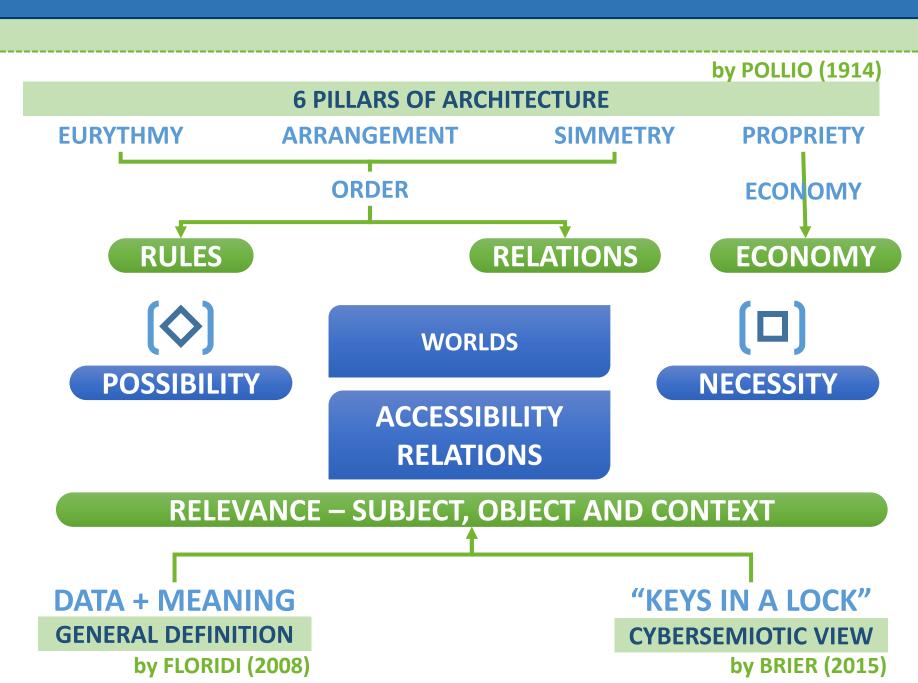


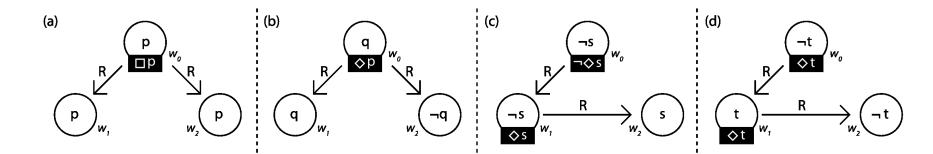
**META-LEVEL** 

#### **ARCHITECTURE**

**MODAL LOGIC** 

**INFORMATION** 





### MODAL LOGIC A SIMPLISTIC EXPLANATION

- I. SUPPOSE THAT WORLDS  $W_0$ ,  $W_1$ ,  $W_2$ ,  $W_3$  ARE SUBJECTS;
- 2. PROPOSITIONS "P", "Q", "S" AND "T" ARE CONVICTIONS ABOUT A SUBJECT LIKE "THIS IS A CANARIAN SINGING";
- 3. THE ARROW "R" INDICATES AN ACCESSIBILITY RELATION BETWEEN TWO SUBJECTS (LIKE  $W_0$  ACCESS  $W_1$  CONVICTIONS)

ARCHITECTURE:
ADEQUATIONS,
AND PROPERTIES

ADEQUATION OF CONCEPTS

SCIENTIFIC GROUNDING

**SCIENTIFIC** 

**GROUNDING** 

PROPERTIES FOR THE CONCEPT OF "ARCHITECTURE"

INFORMATION: ADEQUATIONS, AND PROPERTIES

2

ADEQUATION OF CONCEPTS

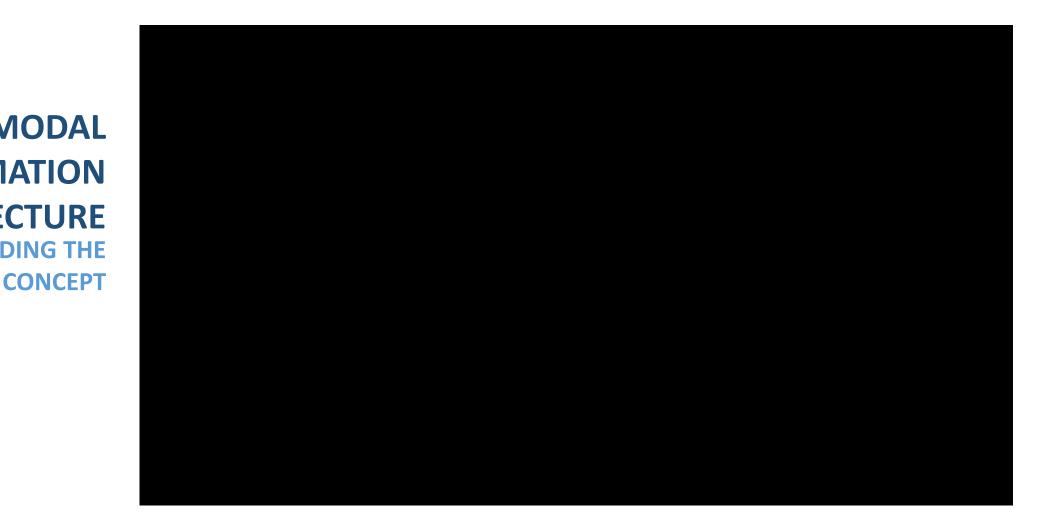
PROPERTIES FOR THE CONCEPT OF "INFORMATION"

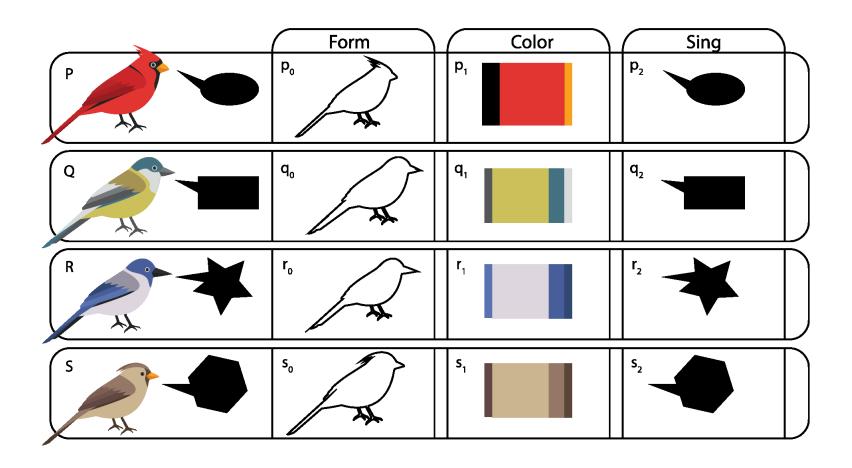


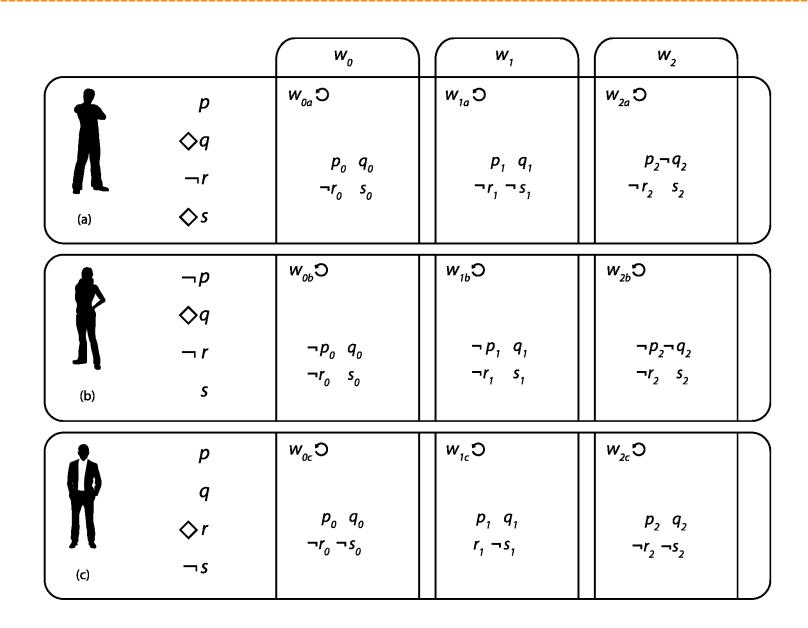
"P" FOR "YES, IT IS";

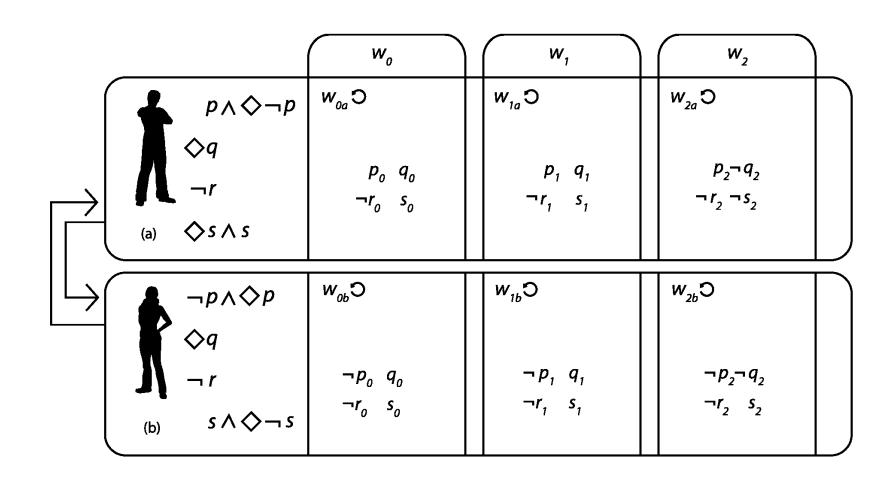
"¬P" FOR "NO, IT ISN'T";

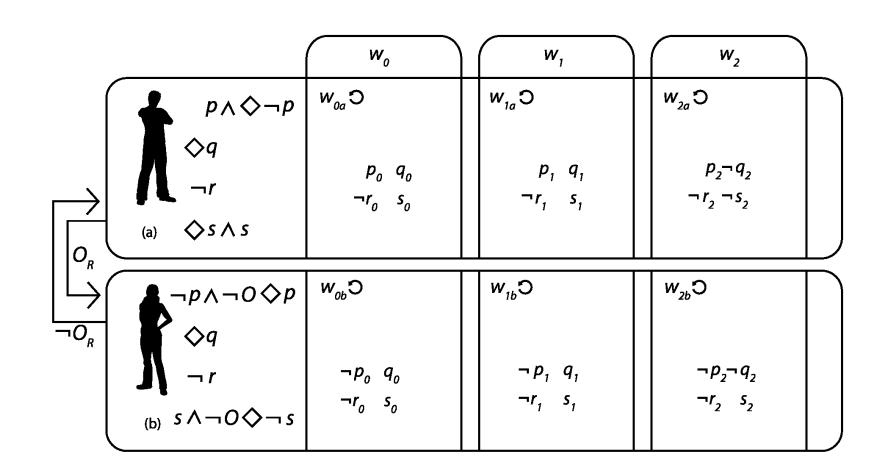
MULTIMODAL INFORMATION ARCHITECTURE BUILDING THE











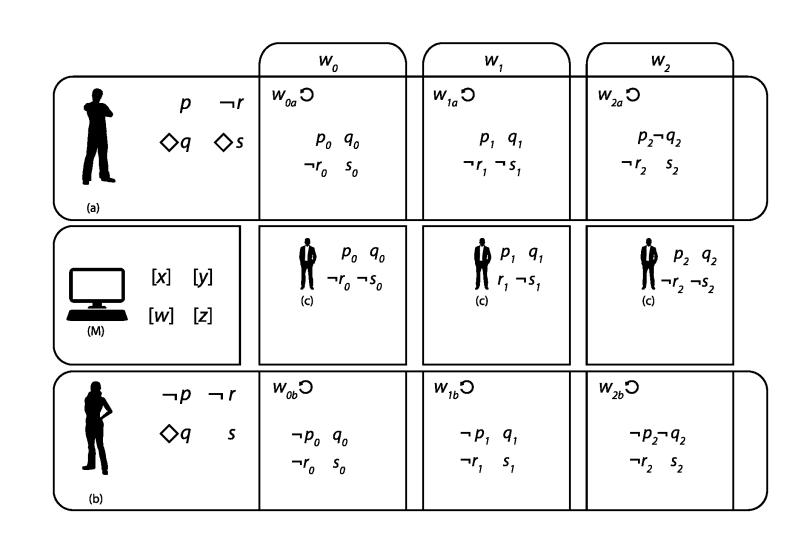
# MULTIMODAL INFORMATION ARCHITECTURE DEFINITION OF THE CONCEPT

PROPERTY	CONTRIBUTION ON THE DEFINITION
1	DISTINCTION AND CONSTRUCTION OF ARCHITECTURAL WORLDS
2	THROUGH ASSUMPTION OF RELATIONAL MODELS
3 AND 4	GROUPED BY SPACE-TIME CONTEXTS
5	OF INFORMATION STATES
6	CORRELATED OR NOT

#### **PRAXIS LEVEL**

## MULTIMODAL INFORMATION ARCHITECTURE

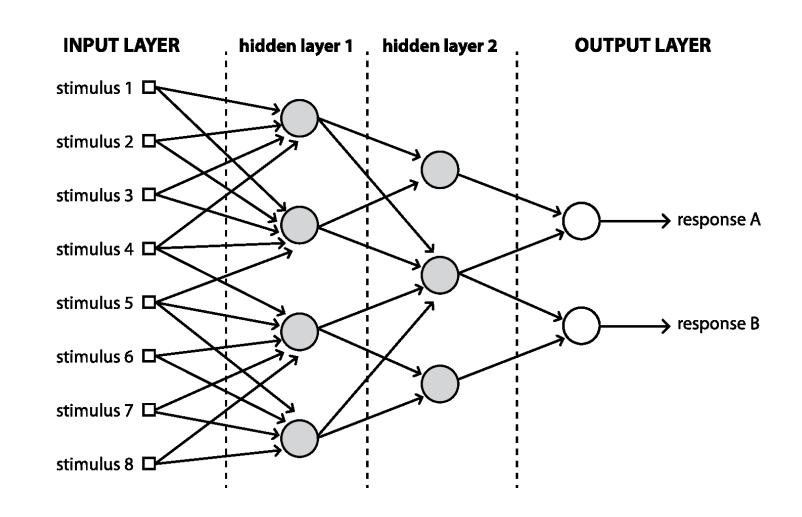
PATH FOR
CONVERSATIONS
BETWEEN
INFORMATION SCIENCE
AND ARTIFICIAL
INTELLIGENCE



#### **PRAXIS LEVEL**

## MULTIMODAL INFORMATION ARCHITECTURE

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