

	THIS SESSI	ON – The goal
History:		
<ul> <li>We first talk information</li> </ul>	ked about computation, complexity an	d
• We then loc	ked at several definitions of informati	on.
<ul> <li>Later, we all context of d</li> </ul>	so tried to understand information wit lata, knowledge, communication.	hin the
<ul> <li>We started language, b</li> </ul>	to look at how language fits in. We ch ut ended up with a warning.	aracterized
Goal:		
• We want to	look closer at language first.	
<ul> <li>We then wa information</li> </ul>	nt to be able to understand how comp processing relate to each other.	outing and
We also war	nt to see what "processing information	" implies.
I. Naci Akkøk, Fall 2004	Department of Informatics, University of Oslo, Norway INF5020 – Philosophy of Information	Page











<ul> <li>This definition implies a slightly different language system than Dillinger's, but it is still to be interpreted within the context of the following Bunge-system:</li> <li>C: Represented systems, representing systems, interpreting systems</li> <li>E: Ref. Communication system(s), COMs – i.e., producers, comprehenders and other actors and contributors in the environment of the language system including the vocabulary system</li> <li>S: Internal: Designation, representation, denotation External: Relevance, appropriateness, cognitive relations</li> <li>The composition C still refers to representing and represented systems, and we now have interpreting systems in addition. Furthermore, we take the representing system system as production systems producing syntactic representations that are void of semantic where the semantics of these productions are given by the interpreting systems. Not that there may be more than one production to represent whatever is being represented, and there may be more than one interpretation of any representation (see figure 1 on next page).</li> </ul>		<b>LANGUAGE</b> – A more formal definition <sup>(1)</sup> #
<ul> <li>C: Represented systems, representing systems, interpreting systems</li> <li>E: Ref. Communication system(s), COMs – i.e., producers, comprehenders and other actors and contributors in the environment of the language system including the vocabulary system</li> <li>S: Internal: Designation, representation, denotation External: Relevance, appropriateness, cognitive relations</li> <li>The composition C still refers to representing and represented systems, and we now have interpreting systems in addition. Furthermore, we take the representing system as production systems producing syntactic representations that are void of semantic where the semantics of these productions are given by the interpreting systems. No that there may be more than one production to represent whatever is being represented, and there may be more than one interpretation of any representation (see figure 1 on next page).</li> </ul>	This still 1	definition implies a slightly different language system than Dillinger's, but it is to be interpreted within the context of the following Bunge-system:
<ul> <li><i>E</i>: Ref. Communication system(s), COMs – i.e., producers, comprehenders and other actors and contributors in the environment of the language system including the vocabulary system</li> <li><i>S</i>: Internal: Designation, representation, denotation External: Relevance, appropriateness, cognitive relations</li> <li>The composition <i>C</i> still refers to representing and represented systems, and we now have interpreting systems in addition. Furthermore, we take the representing system as production systems producing syntactic representations that are void of semantic where the semantics of these productions are given by the interpreting systems. No that there may be more than one production to represent whatever is being represented, and there may be more than one interpretation of any representation (see figure 1 on next page).</li> </ul>	C:	Represented systems, representing systems, interpreting systems
<ul> <li>S: Internal: Designation, representation, denotation External: Relevance, appropriateness, cognitive relations</li> <li>The composition <i>C</i> still refers to representing and represented systems, and we now have <i>interpreting systems</i> in addition. Furthermore, we take the <i>representing system</i> as <i>production systems</i> producing syntactic representations that are void of semantic where the semantics of these productions are given by the interpreting systems. No that there may be more than one production to represent whatever is being represented, and there may be more than one interpretation of any representation (see figure 1 on next page).</li> </ul>	<i>E</i> :	<b>Ref.</b> <i>Communication system(s), COMs</i> – i.e., producers, comprehenders <i>and other actors and contributors</i> in the environment of the language system including the <i>vocabulary system</i>
External: Relevance, appropriateness, cognitive relations The composition <i>C</i> still refers to representing and represented systems, and we now have <i>interpreting systems</i> in addition. Furthermore, we take the <i>representing system</i> as <i>production systems</i> producing syntactic representations that are void of semantic where the semantics of these productions are given by the interpreting systems. No that there may be more than one production to represent whatever is being represented, and there may be more than one interpretation of any representation (see figure 1 on next page). (1) From: Akkøk, M.N., Defining Visual Immediacy, the Underus Gift of Diagrammatic Modeling Languages. (preparing for re-submissi to Journal of Visual Computing Elevation 2000	<i>S</i> :	Internal: Designation, representation, denotation
The composition <i>C</i> still refers to representing and represented systems, and we now have <i>interpreting systems</i> in addition. Furthermore, we take the <i>representing system</i> as <i>production systems</i> producing syntactic representations that are void of semantic where the semantics of these productions are given by the interpreting systems. Not that there may be more than one production to represent whatever is being represented, and there may be more than one interpretation of any representation (see figure 1 on next page).		External: Relevance, appropriateness, cognitive relations
(1) From: Akkøk, M.N., Defining Visual Immediacy, the Underus Gift of Diagrammatic Modeling Languages. (preparing for re-submiss)	The	composition $C$ still refers to representing and represented systems, and we now
to) Journal of Visual Languages and Computing, Elsevier, 20	as p when that repro (see	roduction systems producing syntactic representations that are void of semantics, reduction systems producing syntactic representations that are void of semantics, is the semantics of these productions are given by the interpreting systems. Note there may be more than one production to represent whatever is being esented, and there may be more than one interpretation of any representation figure 1 on next page).

















