

Abstract for Conference on Future Education

<p>Presentation title</p>	<p>Systemic Innovation in Education – the Collaborology Prototype</p>
<p>Abstract</p>	<p>Already a half-century ago visionary thinkers observed that the global issues point to a key capability our civilization is lacking – to innovate on the scale of basic institutions and other systems.</p> <p>Think of <i>systemic innovation</i> as updating the gigantic socio-technical ‘machinery’ whose function is to take everyone’s daily work as input and produce socially and environmentally useful effects as output. Consider it the feedback-and-control needed to give our civilization a viable evolutionary course; the flexibility our institutions need to be able to transform under pressure, and not break down.</p> <p>The Collaborology <i>prototype</i> is an intervention to foster the <i>systemic innovation</i> capability through education. <i>Systemic innovation</i> is exemplified, developed and promoted by</p> <ul style="list-style-type: none"> • Being applied in the creation of the Collaborology <i>prototype</i>; at a gathering of educational innovators in Sibenik, Croatia, the participants were guided through a process (using Collaboratory methodology) where future scenarios and visions are turned into educational systemic <i>design patterns</i>, which are then woven together into a coherent course model • Offering (through the Inter University Center Dubrovnik) education that manifests and empowers <i>systemic innovation</i> (learning resources are federated by international experts and students; students worldwide learn flexibly what they need; education fosters values and skills systemic innovation depends on); Domain Maps are developed as enabling technology • Teaching <i>systemic innovation</i> as subject • Federating a key <i>systemic innovation</i> educational material – the students and instructors worldwide are organized to foster a <i>new</i> body of knowledge of key contemporary interest • Applying the developed systemic innovation ideas (how to use patterns to learn across domains) <i>in another type of learning</i>, through the Ecolise project where systemic initiatives collaborate and learn from one another