

SUPSI

# The Rise of the Digital Polymath relatore Prof. Alexander Repenning

(Interamente in lingua inglese)

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The predominant educational models practiced at organizations facilitating learning, ranging from elementary schools all the way to universities, is still based on highly pragmatic educational principles that emerged in the industrial revolution.

Most prominently, educational models adhere to teaching practice narrowly specialized into disciplines. The outcome of this practice is a society of individuals reasonably well versed within individual disciplines but challenged to integrate knowledge from them. In order to solve some of the complex problems ahead of society the 21st century work force needs to be able to artfully connect knowledge from different disciplines similarly as the Renaissance Polymaths, such as Leonardo da Vinci and Hildegard von Bingen did. Synthesizing knowledge from art, engineering, math, and science, they were able to tackle incredibly difficult challenges. We propose the notion of a Digital Polymath as a contemporary reincarnation of interdisciplinary learning and problem solving. The rise of the Digital Polymath is enabled through digital technology to transcend educational models based on specialization. Working collaboratively, Digital Polymaths develop meta competences such as the competence to acquire new competences and become computational thinkers combining human capabilities with computer affordances.

Alexander Repenning is the Hasler Professor and Chair of Computer Science Education at the PH FHNW (School of Teacher Education at the University of Applied Sciences and Arts Northwestern Switzerland), is a computer science professor at the University of Colorado. He is directing the international Scalable Game Design Initiative. Repenning is a pioneer of blocks-based programming (a.k.a. drag and drop programming).



Sarà possibile prenotare il vostro panino fino alle ore 10.00 del giorno stesso c/o la buvette utilizzando il codice QR e specificando nel campo "Sono" → altro: breakpoint

Previa richiesta sarà possibile seguire l'incontro da remoto.

Chi fosse interessato è pregato di inviare una mail a [dfa.breakpoint@supsi.ch](mailto:dfa.breakpoint@supsi.ch)

Se non si è studenti o collaboratori SUPSI è possibile partecipare ma occorre annunciarsi al seguente indirizzo email: [dfa.breakpoint@supsi.ch](mailto:dfa.breakpoint@supsi.ch). Per prendere parte all'evento è necessario essere in possesso di un certificato COVID che sarà controllato all'ingresso.



Breakpoint con

Prof. Alexander Repenning,  
Fachhochschule Nordwestschweiz  
e University of Colorado

Lucio Negrini presenta  
il Laboratorio media e MINT (MEM)

Giovedì 25 novembre 2021  
ore 12.00-13.00 (Prof. A. Repenning)  
ore 13.00-14.00 (L. Negrini)  
Locarno, Palacinema (P001)

