



In partnership with



Managing digital curricula using the free, device-independent, Collabrify Roadmap System

Location: UNESCO Headquarters, ROOM 9

Date and time: Monday 26 March 2018, 16:30-18:00

Presenters: Cathie Norris and Elliot Soloway, University of North Texas, United States; Nandini Chatterjee and Anantha Duraiappah, UNESCO MGIEP

About the workshop:

"There's never been a better time to be a worker with special technological skills or education" observe Brynjolfsson and McAfee in their recent book, "The Second Machine Age" (2014). And there's never been a better way to acquire those skills and education than to use instructional materials developed by expert teachers. Towards reducing the challenges of developing and using deeply-digital, highly-interactive curriculum, we have developed the Collabrify Roadmap System (CRS).

In our hands-on workshop – Managing Digital Curricula – attendees will use the free, device-independent, tools in the Collabrify Roadmap System to manage the full life-cycle of a "Roadmap" – a sequence of digital objects that support learners – children to adults – in developing the skills and understanding that are increasingly needed in our digital world. The CRS supports educators in:

- creating Roadmaps from OER – Open Education Resources that are available on the Internet;
- distributing Roadmaps to learners for use on their mobile devices;
- monitoring learners, in real-time, as they move through the Roadmaps;
- assessing the artifacts developed by learners during Roadmap enactment;
- and, sharing Roadmaps in a professional community.

The CRS is being used by teachers and students in U.S. (Michigan, Texas, California, Wisconsin).

The CRS supports educators working in real-time, co-located or not, collaborating synchronously in creating the device-independent, deeply-digital, highly-interactive Roadmaps. Virtually any URL – any digital element on the Internet – can be included as a resource in a Roadmap. And, virtually any application, e.g., word processor, game, simulation can also be included in a Roadmap. Roadmaps also support learners working in real-time, co-located or not, collaborating synchronously. We will also show how SEL – socio-emotional learning – skills can be integrated into Roadmaps. And, unlike more traditional "authoring" environments (e.g., Blackboard), CRS is easy to learn and easy to use.

During the workshop, attendees will build, deliver, enact, and share Roadmaps collaboratively. We urge attendees to bring with them the outline of a lesson that they will then cast in the form of a deeply-digital Roadmap. It is our intention that attendees will leave our workshop with the skills and understanding needed to continue using the Collabrify Roadmap System to develop exciting curriculum to support digital learners, "mapping and anticipating [their] changing skill needs."

Meet the presenters:

Cathleen Norris is a Regents Professor & Chairperson, Department of Learning Technologies at the University of North Texas, Denton, TX. From 1995-2001, Norris was President of the National Educational Computing Association, and led its merger with ISTE, the International Society for Technology in Education, creating the largest, international organization for technology-minded educators in the world. Norris was Co-President of ISTE from 2001-2004. Norris' 14 years in K-12 classrooms – receiving a Golden Apple Award from Dallas ISD along the way – has shaped her university R&D agenda: developing resources to support K-12 teachers as they move into 21st century classrooms

Nandini Chatterjee Singh is senior project officer at UNESCO Mahatma Gandhi Institute of Education for Peace and Sustainable Development (MGIEP) and leads the Libre, DICE and Difference learning programs. After receiving a PhD in physics, she went on to become a cognitive neuroscientist. Currently, Nandini is a professor at the National Brain Research Centre where she also leads a laboratory on language, literacy and music. She is passionate about understanding how the brain learns and is committed to translating learning in the lab to learning in the classroom.

Anantha Duraiappah is the inaugural Director of the UNESCO Mahatma Gandhi Institute of Education for Peace and Sustainable Development (MGIEP) based in New Delhi, India in 2014. As a pacesetter in science policy, with over 33 years of experience, currently he is positioning UNESCO MGIEP as a leading research institute on education for peace, sustainable development and global citizenship. Anantha received his PhD in economics from the University of Texas in Austin, USA. He is presently focusing on how the neurosciences of learning can contribute to developing socio-emotional learning through innovative digital pedagogies.

Elliot Soloway is an Arthur F. Thurnau Professor, in the Department of Computer Science and Engineering at the University of Michigan, Ann Arbor, MI. In 2001, the UMich undergraduates selected him to receive the "Golden Apple Award" as the Outstanding Teacher of the Year at the University of Michigan. In 2004 and in 2011, students in the College of Engineering HKN Honor Society selected Dr. Soloway to receive the "Distinguished Teacher of the Year Award." Soloway's educational vision is that mobile, low-cost, networked devices are the only way to truly achieve universal 1:1 in schools – all across the globe.