

# Sinisa Rudan, MSc

updated on January 2020

**Sinisa Rudan** is an international lecturer, independent researcher, leader of several multidisciplinary projects, entrepreneur, IT-developer and artist.

His work is transdisciplinary - in the fields of Socio-IT collaborative ecosystems, Collective Creativity and Intelligence, uniting it with Social Psychology, Art and Literature, Sustainable Development, Interactive formats, and Startup world (with a focus on Social Entrepreneurship).

He pursues these interests through several **regional and international positions**:



- co-founder of [ChaOS](#) - an NGO uniting artists and scientists on cultural and humane projects.
- co-founder of “**ReMaking Tesla - Practices that make a Genius**”, Interactive and IT-augmented Education Forum, [www.remakingtesla.com](http://www.remakingtesla.com)
- [Climathon Belgrade](#) - Chair of the Organizing Committee; co-organizer of [Climathon Oslo](#), and of several other international **climates, environment, and sustainable development**-related events and projects.
- member of [www.knowledgefederation.org](http://www.knowledgefederation.org) - international organization for systemic innovation
- Co-founder of **Protopia Lab Serbia and Norway**, and member of **Protopia International Core Team**
- project manager of “**Poezin Slam Poetry Studio**” and performs as one of its members.
- **International Congress Nikola Tesla**, Organizing Committee Vice-chair, <http://www.tesla2017.com/>
- MAGIC WAND solutions \* CEO, [www.MagicWandSolutions.com](http://www.MagicWandSolutions.com)
- **a poet / artist / storyteller / presenter**: <http://bit.ly/sini-sha-about>

## General Info

- MSc, Computer Sciences, Electrotechnical Faculty, Belgrade with **thesis** “*Creation of Multimedia Multi-User Entertainment Systems and Virtual Worlds - Interactive Advertising*”
- Born: June 4th, 1978, Karlovac, Yugoslavia
- Living: Karlovac, Croatia & Belgrade, Serbia
- He is/was leading teams on/in several transdisciplinary IT Dev + Art + Research projects.
- Most of his work is **transdisciplinary**:
  - He works as a manager and Business Developer and in the field of Tech StartUps, as well as a project manager of Art + Science + Creativity + Collective Projects/Workshops.
  - He is an IT Researcher and a full-stack Developer focusing on Angular, Node.js, MongoDB, and other frameworks,
  - He is a multimedia artist, writer, and performer
- Was a **Guest lecturer** at the subject **Graphic Design & Communications**, at **The Faculty of Applied Arts** in Belgrade, teaching **Web design** and **multimedia** and **Internet programming**.
- He was an editor of multimedia part of [InfoM](#), Journal of Information technology and multimedia systems.
- He was a Jury member of **Siemens's Join Multimedia** contest.
- He is certified by [Startup Academy](#) and <https://startit.rs/>
- a participant of PR, (Internet) Marketing, Advertising, and similar workshops and conferences.
- He writes articles and research papers, is giving lectures, and participates in scientific expert meetings in the field of Collective Intelligence, Collective Mind, Co-creation, Creativity, Motivation, Social psychology.
- Through the range of projects, he cooperated with **the renowned Bitef Festival and the Bitef theatre**

- Was an associate member of the **Center for Research and Education RTS (Serbian National Radio and Television)**
- holding managerial, entrepreneurial and leadership certificates issued by international organizations, like [CEFE](#), [OSCE](#), among others, plus certificates for specializations, organized by domestic bodies, like Belgrade City parliament.
- He has taken and is taking part in the organizing of several international Socio+IT conferences
- He writes poetry and short stories, he is published and awarded. Member of several festivals.
- In **The National Council for Serbian Language and Script**, he was on the position of coordinator for the academic community
- [PPLG](#) (Play/Perform/Learn/Grow-Creative community practices) Conference - organizing (media) team member

## Courses. Certificates. Additional Education

- [CEFE certificate](#) issued on "Entrepreneurship/Management/Leadership/Finance workshop"
- [Global Commerce Licence \(GCL\)](#) (accredited by [AEACAE](#), value: 30 ECTS)
- [Startup Engineering](#) (Stanford University)
- [Social Psychology](#) (Wesleyan University)
- [Inspiring Leadership through Emotional Intelligence](#) (Case Western Reserve University)
- [Leading Teams](#) (the University of Michigan, prof. Scott DeRue, Ph.D. & Maxim Sytch, Ph.D.)
- [Gamification](#) (University of Pennsylvania)
- [Social Network Analysis](#) (University of Michigan)
- [Game Theory](#) (Stanford University)
- [Sharpened Visions: A Poetry Workshop](#) (California Institute of the Arts)
- [Introduction to Art: Concepts & Techniques](#) (The Pennsylvania State University)
- [Coursera Mentor Community and Training](#) (Coursera Community Team)
- [Qualitative Research Methods](#) (University of Amsterdam)
- [Quantitative Methods](#) (a part of the "Methods and Statistics in Social Sciences Specialization", University of Amsterdam)

## IT. Software Development

- He was dedicated to computers since the age of eleven. From that time he learned and practiced more than a dozen programming languages (*TypeScript, JavaScript and Node.js, Java, PHP, R, Python, Perl, VB.NET, C++, C, C#, Pascal, Basic, Prolog, Visual Basic for Applications, UML, Macromedia Flash Action Script, Assemblers, SQL, Fortran, ...*), as well as 9 languages for data description and management and languages of semantics: *HTML, XML, CSS, XLS, DOM, XPATH, RDF, OWL, and SMIL*.
- He is currently mostly focused on the development and architecturing of the mobile-first full-stack (*Node.JS, Angular, MongoDB*). Most of this work is visible and available online and Open Source at <https://github.com/Cha-OS/colabo><sup>1</sup>. His contribution is visible through his profile <https://github.com/sinisarudan>
- Developing **ColaboWare** - our approach to **HCI**

## Research Publications

- In Preparation:
  - Rudan, S., Rudan, S., Peckham, S., Kelbert, A., "MCM tool and Colabo.Space as an approach for collective work on designing geophysical models"
- Accepted

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<sup>1</sup> CoLabo - a socio-technical ecosystem of tools and methodologies for collaboration

- Rudan, S., Rudan, S., Karabeg, D., Rakovic, D. "Reflections on Tesla's creativity and potential for its replication as an online space for collective creativity and scientific dialogue", *Phlogiston, Journal for the History of Science*, 2019
- Sinisa Rudan and Sasha Mile Rudan, "CoLaboArthon - Developing Collaborative Art Worldwide", ELO2019, Cork
- Sasha Mile Rudan, Lazar Kovacevic, Eugenia Kelbert and Sinisa Rudan, "LitTerra, by augmenting literature with meaningful connections, turns readers into explorers and researchers", ELO2019, Cork
- Sinisha Rudan, Sasha Rudan, Lazar Kovacevic, Eugenia Kelbert, Bob Holman, "Poetry on the Road: An Intercultural And Multidisciplinary IT-Augmented Dialogue on the Topic of Refugees and Migrants", *Comparing e/migrations: Tradition – (Post)memory – Translingualism (2019)*, Toruń
- Sinisa Rudan, Sasha Rudan, "Augmentation Of Creative Community Practices By Socio-technical Ecosystems (colabo.space: Tools And Methodologies Supporting Colaboarthon)", PPLG18, Thessaloniki
- Sinisa Rudan, Sasha Rudan, Tamara Nikolic Maksic, "Colaboarthon - Inclusive Play - Developing Collective Awareness And Empathy (from Brainstorming To Art)", PPLG18, Thessaloniki
- "CollaboFramework - a framework for sustaining socio-ecological systems through dialogical knowledge and action space", Sasha Mile Rudan, Sinisha Rudan, Dino Karabeg, ISSS'16, Boulder, CA, USA, 2016
- "Reprogramming Anthropocene - crowdsourced governance of trans-technical systems", Sasha Mile Rudan, Sinisha Rudan, Dino Karabeg, ISSS'15, Berlin, Germany, 2015
- Tasovac, T., Sasa Rudan, and Sinisa Rudan, "Developing Morpho-SLaWS: An API for the Morphosyntactic Annotation of the Serbian Language", In: *Systems and Frameworks for Computational Morphology (SFCM 2015)*, Mahlow, C., Piotrowski, M. (Eds.), Springer, 137-147
- "Analysis of a Social Activities Recommendation Model", Sasha Mile Rudan, Sinisha Rudan, Aleksandar Cikaric, ECSM, Brighton, UK, 2014
- Rudan, S. M., & Rudan, S. (2014, April). Democracy framework politics & leadership in online communities. In *2014 First International Conference on eDemocracy & eGovernment (ICEDEG)* (pp. 67-72). IEEE.
- "CharityNet - Online Crowd-Charity System Driven by Social Psychology and Performed through Social Dissemination of Charity", Sinisa Rudan, Sasha Mile Rudan, Bojana Radovanovic, GHTC'14, San Jose, CA, USA, 2014
- "Friendship Growth And Management Driven By Social Processes And Activities; Measurements, Stability And Behavior Cascading" (poster), Sasha Mile Rudan, Sinisha Rudan, ECCS13, Barcelona, Spain, 2013
- "DataTalks: A Unified Knowledge Pool in SaaS and Mashup Systems, " Sasha Mile Rudan, Oslo U; Dino Karabeg, Oslo U; Alf Martin Johansen, Induct AS ECKM'13 Conference, Kaunas, Lithuania, 2013
- "SocioTM – Relevancies, Collaboration, and Socio-knowledge in Topic Maps," Sasa Rudan, Sinisa Rudan, TMRA Conference, Leipzig, Germany, 2008
- "MULTIMEDIA 'RIDING MULTI-HEADED DRAGON'", Sinisa Rudan, Proceeding of YU INFO 2005 Conference, Saint Stefan, Montenegro, September 2005
- "Cyrillic vs. Internet," Sasa Rudan, Sinisa Rudan, Predrag Minic, Scientific-Technical Convocation, Serbian National Library
- "SEMANTIC ENRICHMENT OF MULTIMEDIA INFORMATION AND PROCESSES", Sinisa Rudan, accepted at Symposium YU INFO 2006.
- "Internet and Radiation," Sinisa Rudan, Sasa Rudan, Ivana Vukosavljevic, TELFOR 2001, Scientific Convocation at Chamber of Commerce of Serbia
- "Internet IN8 (Internationalization)," Sinisa Rudan, Sasa Rudan, Predrag Minic, Journal "Info M", The First volume, January 2002.
- "NETWORK SECURITY", Sinisa Rudan, YU INFO 2004 Conference, Kopaonik, Serbia, March 2004
- "DIGITAL REVOLUTION OF ELECTRONIC MEDIA. STATE OF THE ART TECHNOLOGIES FOR SUPPORT OF THE REVOLUTION", Sinisa Rudan, work conducted for Research and Educational Center – National Radio and Television of Serbia.
- "CYRILLIC vs. INTERNET (INTERNATIONALIZATION) (problems and solutions)", Sinisa Rudan, Sasa Rudan, P. Minic, Proceeding of YU INFO 2005 Conference, Kopaonik, Serbia, Mart 2005

## Conference and Workshop Organization

- Tesla Congress – co-organizer of the Bi-Annual Conference on Nikola Tesla, Belgrade, Serbia, June 2017
- Moderator, Speaker of a multidisciplinary workshop (Scientists, Poets and Artists) "ReMaking Tesla – Practices that Make a Genius", Belgrade, Serbia, June, 2017
- CoLaboArthon – A rapid evaluation process-driven workshop in creative artistic expression and writing, [Futurizer](#) conference, Riga, December 2016
- CoEvoLudens – A rapid evaluation process-driven workshop in social-entrepreneurship improvement, Futurizer conference, Riga, December 2016
- Co-organizer of a workshop at "Future of Education". 12th FICCI Higher Education Summit, New Delhi, India, November 2016
- Process-mining augmentation of the "City-game" (future trends socio-techniques transformational game) – Protopia educational event, Saint Petersburg, November 2016
- Collaborology – co-organizer of the Bi-Annual Conference of the Knowledge Federation, Dubrovnik, October 2016
- CoLaboArthon – Dialogical brainstorming and fostering creative leaps in collective solution findings, Futurizer conference, Pyla, Cyprus, September 2016
- Transdisciplinary workshop "Un/Balancing complex systems: Which data to look for? How to build thriving knowledge communities?" Ramon Sangüesa, Paz Tornero, Stella Veciana, Dino Karabeg, Sasha Rudan, Sinisa Rudan, BunB'16, Manizales, Colombia, 2016
- "CollaboFramework - a framework for sustaining socio-ecological systems through dialogical knowledge and action space", Sasha Mile Rudan, Sinisha Rudan, Dino Karabeg, ISSS'16, Boulder, CA, USA, 2016
- "CollaboScience - Collective Creativity, Collective Intelligence and Scientific dialogue - Realized through Cyber-Infrastructural Implementation of Collective Knowledge" Workshop at the Tesla Congress, Sasha Rudan, Sinisha Rudan, Dino Karabeg, Lazar Kovacevic, Belgrade, Serbia, June 2015

## Invited Lectures and Presentations

- Keynote speaker, "Project LitTerra: New Travel Through Augmented Digital Book (the next step after digitization)," Sasha Mile Rudan, Oslo U; Eugenia Kelbert, Yale U; Lazar Kovacevic, Inverudio Inc; Sinisa Rudan, Belgrade U; Tamara Butigan, Serbian National Library; Miroљjub Stojanovic, NCD'13 Conference, Belgrade, Serbia, November 2013
- "DEVELOPMENT OF MULTIMEDIA AND INTELLIGENT INTERNET PORTALS AND SYSTEMS FOR E-BUSINESS", Sinisa Rudan, lecture held at the FACULTY OF ORGANIZATIONAL SCIENCES at the "Institute for Information systems - FON and IEEE Computer science and engineering chapter Seminar"
  - Also accepted at The International conference e-Trgovina (e-Commerce) "April 5th – 7th, 2006).
- Invited Talk "Systemic innovation and Collaborative augmentation of Journalism", [Mediapolygon](#), Tyumen, Russia, April 2017
- Workshop "Tools and methodologies of Collaborative and Scientifically Structured DH Research" at Digital Humanities in the Nordic Countries, 15-17 March 2016, Oslo, Norway
- Invited Talk "Augmenting Structural Democratic Dialogue with Online and Offline Collaborative Tools", Future Worlds Center, Nicosia, Cyprus, June 2017

## Grants, Recognition and Awards

- 2015, 2016, Ministry of Culture and Information, R. Serbia; two grants to support "Ruka i Glas" (Hand and Voice) project
- Ministry of Trade, Tourism and Telecommunications, R. Serbia, supported from its first year, ReMaking Tesla, Forum co-created by Sinisa Rudan
- 2007, Ten Young Poets of Serbia Award National Festival of Culture, Knjazevac, Serbia
- 4th place in the State Competition - Serbian Grammar and Literature

- 1997, 2nd place in the State Poetry Competition
- won/shared 2nd/3rd place at the **National Competition for the Best Serbian Slam Poet** (Novi Sad, 2014).
- bronze at Slam Poetry Festival “Culture protesting” (Belgrade, 2013)

## Languages

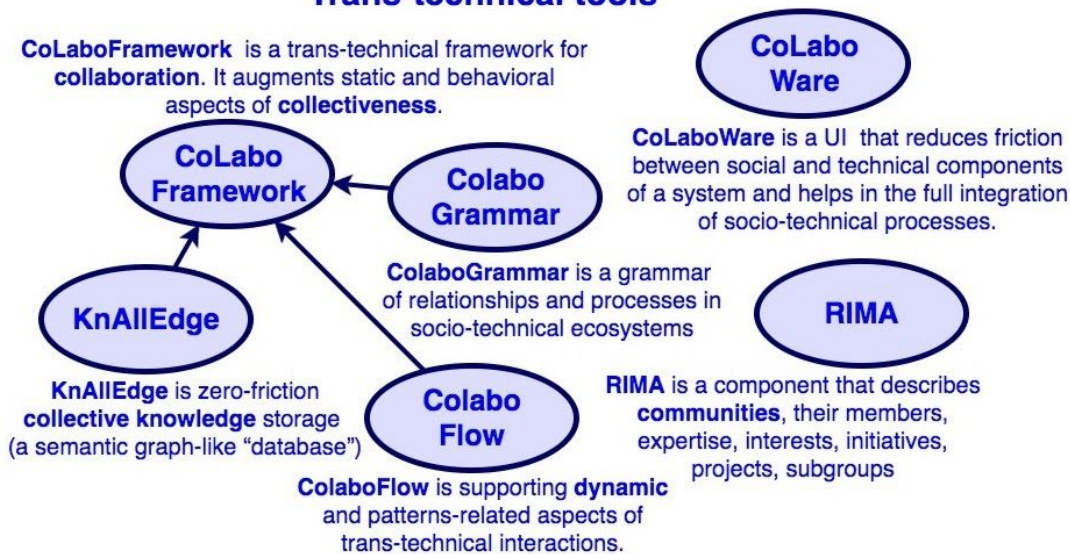
- **Serbian**  
Level: Fluent  
Native language
- **Croatian**  
Level: Fluent  
Native language
- **English**  
Level: Fluent
- **Spanish**  
Level: Fluent
- **German**  
Level: Very well
- **Portuguese**  
Level: Understanding

## Projects

Here are selected some of the projects which are developed, which development is lead or participated by Sinisa Rudan:

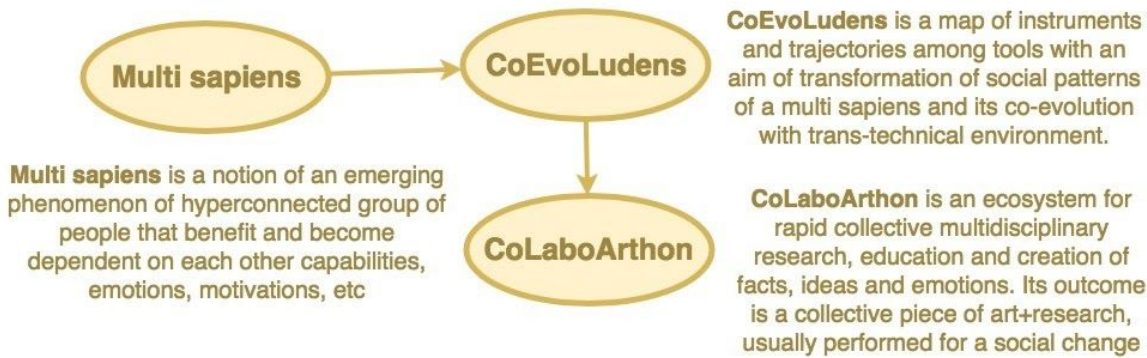
Most of them are unified as **Tools and Methodologies** under the [Colabo.Space](#) umbrella, which is represented at two lower diagrams

### Trans-technical tools





## Socio-technical Methodologies



Sinisa is lead developer and architect of several ChaOS projects

<https://cha-os.org/en/projects/>

In addition, there are some older projects:

### Democracy Framework

Democracy in the online world - where both IT agents and users are participants

### Chess Hood

Distributed concurrent Chess System for interactive chess playing over the Internet, supporting many concurrent users, with managing and memorizing games, chess moves and players. The system is developed in Java with rich GUI support, using SWING Java package.

It is secured by strong synchronizing techniques and all modules have several **concurrent programming threads!**

### MubiS

The initial basis of the project of student e-Service for School of Mechanical Engineering, University in Belgrade. *Implemented in **PHP** and **MySQL*** by Sinisa Rudan and Sasa Rudan.

### Leaf

A distributed concurrent system for accessing to WEB services, downloading and parsing of appropriate contents; all done coordinated by a local server, which we also developed. The software is used in organizing international conferences. *Implemented in **Perl*** by Sinisa Rudan and Sasa Rudan, in 2000. Complete communication on the level of **HTTP** and **HTML protocols** is done by our code and is a result of our studying of those fields.

### Princess Kristina Testament

<https://cha-os.org/en/princess-kristina/>

project Manager and Researcher