

Shaula FIORELLI

OrcID : 0000-0001-6525-9206



Université de Genève
Section de mathématiques, NCCR SwissMAP
2-4 rue du Lièvre, Case postale 64, 1211 Genève 4
Phone : +41 22 379 11 68
E-mail : Shaula.Fiorelli@unige.ch

PERSONAL INFORMATION

Date of birth : May 19, 1981. Nationalities : Swiss and Italian. Civil status : divorced, two children.

EDUCATION

- | | |
|------|--|
| 2009 | Ph.D. in mathematics , under the direction of T. Vust
Université de Genève, Section de mathématiques |
| 2004 | Diplôme de mathématiques
Université de Genève, Section de mathématiques |

EMPLOYMENT

- | | |
|------------------|---|
| Since
06.2018 | Université de Genève, NCCR SwissMAP
Senior research associate - Outreach Officer and co-director of Mathscope |
| 2014 – 2018 | Université de Genève, NCCR SwissMAP
Research associate - Communication Officer and co-director of Mathscope |
| Since 2010 | Fondation L'Enseignement mathématique
Scientific secretary |
| 2010 – 2014 | Université de Genève, Section de mathématiques
Research associate |
| 2004 – 2009 | Université de Genève, Section de mathématiques
Assistant |

ORGANISATION OF CONFERENCES

- | | |
|-----------|---|
| 2017–2018 | Colloque EMF2018 of Espace Mathématique Francophone, Paris, 22-26.10.2018 |
| 2014–2015 | Colloque EMF2015 of Espace Mathématique Francophone, Alger, 10-15.10.15 |
| 2010–2012 | Colloque EMF2012 of Espace Mathématique Francophone, Genève, 3-7.02.12
Scientific committee of working group on popularization of mathematics |
| 11.2015 | Organisation and coordination of public lectures <i>Les secrets de la gravitation – 100 ans de relativité générale</i> |

OUTREACH ACTIVITIES

- | | |
|------|---|
| 2015 | Creation and launch of the Mathscope
in collaboration with Dr. Pierre-Alain Cherix.
A discovery lab where school classes can come and discover mathematics in a different perspective. Since its opening, Mathscope welcome more than 15'000 visitors. |
|------|---|

Exhibitions

- 2012 Creation of the exhibition *Les Jeux sont faits! Hasard et probabilités* in collaboration with Dr. P.-A. Cherix
Musée d'histoire des sciences, Genève — 01.02.12 – 07.04.13
Espace des inventions, Lausanne — 17.01.14 – 27.04.14
partially taken up at Palais de la découverte, Paris — 06.12.16 – 27.08.17
- 2008 Contribution to the creation of the exhibition *Jardin de maths*
Conservatoire et Jardin botaniques, Genève — 27.05.08 – 12.10.08
- 2007 Contribution to the exhibition *Euler, l'imagination souveraine*
Musée d'histoire des sciences, Genève — 02.05.07 – 28.10.07

Regular contributions

- Since 2017 Trimestrial contribution to the rubric *La science en s'amusant* in MigrosMagazine
- Since 2010 Monthly contribution to the rubric *Problème du mois* on RTSdécouverte.ch
- 2014 to 2015 Contribution to the TV show *L'Oreille des kids* on Radio Télévision Suisse (RTS)

Participation in fairs

- 2019 *Léonard de Vinci à Genève ?* organised by Bibliothèque de Genève
Round table and fair around *De divina proportione* of Luca Pacioli
- Since 2018 *Nuit antique* organised by Faculty of Humanities, UNIGE
- Since 2018 *Hérisson sous gazon*, fair for children, Charrat, Valais
- Since 2006 *Nuit de la science*, organised by Musée d'histoire des sciences, Genève
- Since 2013 *Expanding your Horizons*, fair for girls from 11 to 14 years old

Workshop for schools

- Since 2018 *Ateliers mobiles* of Département de l'Instruction Publique
- Since 2013 *TecDays* of Swiss Academy of Engineering Sciences (SATW)
- Since 2011 *Project Apprivoisez le hasard!* and *Symétries* of Swiss Mathematical Society (SMS)

PRIZE

- 2012 **Prix d'Alembert** from the Société mathématique de France (SMF)
(co-recipient Dr. Pierre-Alain Cherix)

NARRATIVE

Since 2012, I study how to present science, and mathematics in particular, to the general public in an attractive way. What messages should be conveyed? What is the right mix between presentation and hands-on activities? (see Fiorelli et al. *Evaluer une action de vulgarisation des mathématiques* and Fiorelli et al. *Regard sur les ateliers récréatifs*). By participating in the round table and fair around Luca Pacioli's manuscript *De divina proportione*, I realized that the name Leonardo da Vinci is a wonderful door opener to catch the general public and talk to them about science. This name alone makes people more receptive; they want to understand this genius and are therefore willing to take time to experiment and discover science.

The **Mathscope** is launched in 2015. It was the first such structure about math popularization in a Swiss University. Since then, it becomes a reference for likewise structure in Switzerland. We have established collaborations with ETH Zürich, EPF Lausanne and University of Neuchâtel who want to create similar activities. Moreover, we are often solicited for developing activities in different context: workshop for schools or after-school, fairs, outreach presentations in international colloquia (Wright colloquium).

Be part of the Sciencopé allow us to experiment interdisciplinarity and we have ongoing collaborations with other outreach labs to develop new activities with the view of two or more sciences.