

## Curriculum Vitae

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### Positions

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|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2013-present  | Scientist at the Technical University of Berlin with the focus on “Searching for new video formats of communication and presentation of mathematics and popularization of mathematicians” as part of the DFG Collaborative Research Project SFB/Transregio 109 „Discretization in Geometry and Dynamics “ |
| 2015-2016     | Scientist at the Humboldt University of Berlin, producing experimental films for DFG Collaborative Research Project SFB 647 “Raum, Zeit, Materie” and cooperation with the Exzellenzcluster “Bild Wissen Gestaltung” for the exhibition “Cube of Physics”                                                 |
| 2008- present | Author, Director and Producer EEFilms, Ekaterina Eremenko Films                                                                                                                                                                                                                                           |
| 2006-2007     | Author, Director Zero One Film Berlin                                                                                                                                                                                                                                                                     |
| 2005          | Author, Director Lizard Medienproduktion, Berlin                                                                                                                                                                                                                                                          |
| 2003-2004     | Author, Director Ma Ja De, Leipzig/ Berlin                                                                                                                                                                                                                                                                |
| 2002          | Films of Record Ltd, London, UK and Stampede, London, UK Intern<br>RDF Media, London, UK Intern                                                                                                                                                                                                           |
| 1998-2001     | Freelancer Berlin, Germany<br><br>Produced and directed TV reports from Russia for various TV channels in Germany (Sat1, Pro7, RTL)                                                                                                                                                                       |
| 1996-1999     | „Wremekhko” (daily program on NTV channel), Moscow, Russia and<br>Good morning” (daily program on channel 1), Moscow, Russia<br>Anchorwoman, TV journalist                                                                                                                                                |
| 1991-1996     | Viva (model agency), Paris, France; Storm, London, UK,<br>Model                                                                                                                                                                                                                                           |

### Filmography

- „Solving the Bonnet problem. A hands-on adventure in 17 chapters” D 2024, 63 min
- „Olga Ladyzhenskaya” D 2022, 30 min
- „Math Circles around the World” D 2020, 20 min and 45 min
- „Lobachevsky Space” D 2020, 75 min
- „Head Heart and Soul” 54 min, D 2019

- „Georg Cantor, der Entdecker der Unendlichkeit” D 2018, 45 min  
TU Berlin with Saxonia-Entertainment for MDR, D 2017
- „Whispers of String Theory” D 2017, 25 min
- „Lake Vostok. At the Mountains of Madness” RU 2017, 89 min
- „The Discrete Charm of Geometry” documentary about team work in mathematics  
Production EEFilms-Ekaterina Eremenko Films. D 2015, 67 min.
- Short films for the Abel Prize ceremony (Abel Prize awarded annually by the King of Norway to one or more outstanding mathematicians and directly modeled after the Nobel Prizes):  
„John Nash”, „Luis Nirenberg”, D 2015, 2x 3’40’’ min  
„Andrew Wiles”, D 2016 3’40’’,  
„Yves Meyer”, D 2017 3’40’’,  
„Robert Langlands”, D 2018 3’40’’,  
„Karen Uhlenbeck”, D 2019 3’40’’,  
„Dennis Sullivan”, D 2022 3’40’
- „Colors of Math” Documentary about modern mathematics.  
Production EEFilms –Ekaterina Eremenko Films. D 2012, 60 min
- „My Class” or „My class - was aus uns wurde", D 2008, 90min  
Zeroone production together with Maximage (Swiss), BBC, ARTE, RBB.
- „Big Bones – Big Business” or „Sibirische Knochenjagd" or  
„Chasse a l’os en Siberie", D 2004, 59min. Lizardmedien production with  
ARTE, MDR, RTR Russia, YLE.
- „The Sound of Russia” or „Die Meistersinger" D 2003, 59 & 75 min.  
MA JA DE together with ZDF, ARTE, YLE Teema

## **Publications**

2022 “Mathematical Films” E. Eremenko chapter in the book “Hand book of Mathematical Science Communication” ISSN 978-9811253065, Published by WSPC Dec. 2022

2017 Ekaterina Eremenko, Bianca Violet and Chiquira Wagner “Math Creations - A Math-Art Competition”

<https://archive.bridgesmathart.org/2017/bridges2017-355.pdf>

## **Awards and Recognition (selection)**

Audience Award for the best documentary at international film festival Cineglobe 2021, (Switzerland) for “Math Circles around the World”

Medienpreis from German Mathematical Society for “The Discrete Charm of Geometry” and for a series of mathematical films (2017) <https://www.mathematik.de/presse/1654-medienpreis-mathematik-2017-f%C3%BCr-eremenko-journalistenpreis-f%C3%BCr-gast>,

Grand Prix for the best international Science film, Academia Film Olomouc (“Lake Vostok”) The Golden Unicorn Award for the best documentary from Russia, UK, London (“Lake Vostok”),

Audience Award, the Best Science Film in international festival “Man and Nature” (“Lake Vostok”),

Screening on the daily basis for the 6 Month in The Total Museum of Contemporary Art Seoul, South Korea (Colors of Math)

Nomination for the best science film and the best script at Russian national documentary award “Laurel” (Colors of Math and The Discrete Charm of Geometry),  
 Audience Choice Moscow International Film Festival (Colors of Math),  
 Grand Prix at the International Film Festival “Saratov Suffering” (My Class),  
 Grand Prix at the International Film Festival “Kin”, Erevan, Armenia (My Class),  
 Nomination for the best Art-Film Russian National Award “Laurel”,  
 Best Science film at the International Film Festival “Man and Nature”, Irkutsk, Russia (Big Bones- Big Business),  
 Russian National Award “Laurel” for the Best First Film (“Die Meistersinger” - “The Sound of Russia”)

### **Official Selection in International Film festivals (Selection)**

IDFA (Silver Wolf Competition); Moscow International Film Festival; Margaret Mead Film and Video Festival New York; Red Shift FF New York; Nomination for Prix Europa; Thessaloniki IDF; Belgrade Documentary and Short FF; Norwegian Short FF Grimstad; Auckland IFF; Wellington IFF; Zagreb IFF; Festival 21 Vienna; International Frauenfilmfestival Dortmund; Kuki International Film Festival, Berlin; Lift Off Film festival; Contemporary Science Film Festival FANK, Russia; Artdocfest; European Science Film Festival; Sebastopol Documentary Film Festival; Academia Film Olomouc IFF, Cineglobe

### **Film Screenings and invited Presentations in Universities and Science Conferences (Selection)**

New York University; Columbia University NY; Simons Centre Stony Brook; École normale supérieure Paris; IHES Paris; Institut Henri Poincare Paris; The University of Edinburgh; University of California San Diego; MSRI, Berkeley; The Hausdorff Center for Mathematics and Max Plank Institute for Mathematics in Bonn, Berlin Mathematical School; Indiana University – Purdue University Indianapolis; American Mathematical Society meeting in Stony Brook; Technical University Munich; European Congress of Mathematics; National Museum of mathematics (MoMath) in New York; Otto-von-Guericke Universität Magdeburg; Die Eberhard Karls Universität Tübingen; Die Julius-Maximilians-Universität Würzburg; Karlsruhe Institute of Technology; University of Nantes; Queen Mary University of London; Brunel University; Free University of Berlin; Utrecht University, International Congress on Mathematical Education

### **International Science Service, Culture Management and participation in Film Jury (selection)**

2020	International Jury at Saratov Sufferings International Film Festival of Documentary Drama
	Nomination Committee for the Golden Unicorn Awards 2020, UK, London
2019	Jury Medienpreis from German Mathematical Society
	Nomination Committee for the Golden Unicorn Awards 2019, UK, London
2018	Jury in International Competition Academia Film Olomouc, Czech Republic
2018-present	Member of Supervisory Board at SAGEX (Scattering Amplitudes: from Geometry to EXperiment is a Marie Skłodowska-Curie Innovative Training Network funded by the European Commission).
2017	Participation in an expert committee from Germany in the Accreditation of Kazan Federal University
2017	Organizing Art Competition “Math Creation- Creative Output” and “Math Creation- Exhibition” <a href="https://imaginary.org/project/math-creations">https://imaginary.org/project/math-creations</a>
2016	Developing the concept and organizing conference “Math Creation- Input”, where mathematicians and theoretical physicist present the work to artist and designers
2014	International Jury in Mathematical Short Film Festival Imaginary
2008	Initiating and organizing “Great Marlene” Exhibition in Moscow- the world’s largest exhibition of Marlene Dietrich on an area of more than 1500 sq. m.
2007	International Jury at Man and Nature IFF, Irkutsk

## Teaching Activities

2022-present	Course “Playful mathematics” – a weekly circle aimed at refugee children at TU Berlin
2018-2022	Supervising Film project by Early-Stage researchers from SAGEX
2019	Course “Filmmaking and Science journalism” at Sigma Camp CT, USA- international summer camp for talented children up to 16 years old
2018	Course “Science Documentary Filmmaking” at Sigma Camp CT, USA
2012	Course of filmmaking at Lake Baikal, organized by "Eastern Siberia Film Schools" and Irkutsk regional Film Fund

### *Organizing and participation in masterclasses and workshops. Selection:*

2020	Masterclass in Leiden during the conference “Dutch National Mathematics Days”
2020	Masterclass in Perm during film festival “Future”
2019:	“Communicating your science”- Science communication workshop for scientists from Max Planck Institute for Gravitational Physics (Albert Einstein Institute) and Institute for Gravitational Physics of the Leibniz Universität Hannover
2019	Masterclass on documentary filmmaking at The Integrative Research Institute for the Sciences Humboldt University, Berlin
2017	Masterclass at filmArche – independent film school Berlin
2014	Masterclass “Documentary film - from conception to implementation. Experience in Europe and Russia”. Ufa <a href="https://www.youtube.com/watch?v=YQyIfCftQVc">https://www.youtube.com/watch?v=YQyIfCftQVc</a>
2003-2008	Serie of masterclasses at VGIK- Russian Film School

## Education

2002	Discovery Campus Masterschool, Germany, Munich (European Masterclass for project development of documentary films aimed at an international audience) Project „My Class”
1997-2000	Gerasimov Institute of Cinematography (VGIK), Department of Film Directing, Moscow, Russia Film Directing, Master Degree
1990-1991	Lomonosov Moscow State University, Department of Mechanics and Mathematics, Moscow, Russia PhD Student. Focus on the theory of functions and functional analysis
1985-1990	Lomonosov Moscow State University, Department of Mechanics and Mathematics, Moscow, Russia Master of mathematics. Graduated with Honors

## LANGUAGES

English (fluent), German (fluent), Russian (native), French (basic).