



European Union Contest for Young Scientists

Country factsheet 2015

Germany



Germany (DE)

Participates since	1989	Nr of Contests	27
nr of prizes	91	Nr of prizes won by	Team of girls: 6 Team of boys: 78 Mixed teams: 8
Nr of girls to win a prize	11		
Nr of boys to win a prize	89		
Last prize won in	2015		

Name of the winner	Year	Sex	Prize	Name of the Project
Stephan Schlitter	1989	M	1st	<i>Conducting polymers in batteries</i>
Matthias Büger	1989	M	3rd	<i>Axiomatic theory of mean values</i>
Walter Georg Veeck Jens Schneider	1989	MM	3rd	<i>Construction of a diffusion cloud chamber</i>
Waltraud Schulze	1990	F	1st	<i>The effect of assimilatory starch for the growth of Arabidopsis</i>
Jan Lichtenberg	1990	M	2nd	<i>Unilyser, a universal computer system for chemical analysis</i>
Stefan Scheller	1990	M	2nd	<i>Computer-aided holography for optical and acoustical reconstruction</i>
Robert Nitzschmann	1991	M	1st	<i>Development and construction of a scanning tunnelling microscope</i>
Tanja Hindrichs Husein Morsy Axel Conrad	1991	FMM	2nd	<i>The knight's Hamiltonian path problem</i>
Robert Nitzschmann	1991	M	COMETT AWARDS	<i>Development and construction of a scanning tunnelling microscope</i>
Hendrik Küpper Frithjof Küpper Martin Spiller	1992	MMM	1st	<i>Environmental relevance of heavy metal substituted chlorophylls</i>
Oliver Trapp	1992	M	1st	<i>Study on the effect of a chelator on yeast</i>
Ingolf Zies	1992	M	2nd	<i>New global lighting model based on radiosity</i>
Oliver Trapp	1992	M	TRAVEL AWARD TO THE INTERNATIONAL SCIENCE AND ENGINEERING FAIR (ISEF), USA	<i>Study on the effect of a chelator on yeast</i>
Jan-Cristoph Puchta	1993	M	2nd	<i>Fermat's last theorem</i>
Peter Seidel	1993	M	2nd	<i>Ball lightning, an investigation</i>
Jürgen Scherschmidt Jochen Scherschmidt	1993	MM	2nd	<i>A user-friendly video recorder</i>
Oliver Krüger	1994	M	1st	<i>The ecology of the common buzzard and goshawk</i>
Eike Lau	1994	M	1st	<i>Internal addresses in the Mandelbrot set</i>
Kai Eberspächer Dominik Zayer Andreas Gorbach	1994	MMM	3rd	<i>Computer-controlled waste-water purification</i>

Oliver Krüger	1994	M	TRAVEL AWARD TO THE INTERNATIONAL SCIENCE AND ENGINEERING FAIR (ISEF), USA	<i>The ecology of the common buzzard and goshawk</i>
Sven Siegle	1995	M	1st	<i>Natural pulping or paper from straw</i>
Oliver Hantschel Kai Krüger Nicole Stroh	1995	MMF	2nd	<i>Is isoguanine selectively mutagenic during virus replication?</i>
Sven Siegle	1995	M	TRAVEL AWARD TO THE LONDON INTERNATIONAL YOUTH SCIENCE FORUM (LIYSF)	<i>Natural pulping or paper from straw</i>
Oliver Hantschel Kai Krüger Nicole Stroh	1995	MMF	TRAVEL AWARD TO THE INTERNATIONAL SCIENCE AND ENGINEERING FAIR (ISEF), USA	<i>Is isoguanine selectively mutagenic during virus replication?</i>
Tobias Kippenberg	1996	M	1st	<i>A car ice-detection system based on electromagnetic waves</i>
Andreas Derr	1996	M	3rd	<i>MediNet: an intelligent system for medical diagnosis</i>
Tobias Kippenberg	1996	M	TRAVEL AWARD TO THE INTERNATIONAL SCIENCE AND ENGINEERING FAIR (ISEF), USA	<i>A car ice-detection system based on electromagnetic waves</i>
Eike Hübner	1997	M	1st	<i>Permanent self-conducting polymers</i>
Sebastian Hauer Jan Nieberle	1997	MM	2nd	<i>A circular saw active security-system</i>
Sebastian Hauer Jan Nieberle	1997	MM	TRAVEL AWARD TO THE INTERNATIONAL SCIENCE AND ENGINEERING FAIR (ISEF), USA	<i>A circular saw active security-system</i>

Eike Hübner	1997	M	TRAVEL AWARD TO THE INTERNATIONAL SCIENCE AND ENGINEERING FAIR (ISEF), USA	<i>Permanent self-conducting polymers</i>
Karsten Weiss	1998	M	2nd	<i>Digi Cow: a completely new type of milking machine</i>
Juliane Richter	1998	F	3rd	<i>The phenomenon of fluctuation in concentration</i>
Sebastian Gschwender Michael Rödel	1999	MM	2nd	<i>FinoPro simulates mechanical events, using finite elements</i>
Jasmin Roya Djannatian	2000	F	2nd	<i>Cytotoxicity of different mistletoe preparations on leukaemic cells</i>
Jasmin Roya Djannatian	2000	F	TRAVEL AWARD TO THE NOBEL PRIZE CEREMONY	<i>Cytotoxicity of different mistletoe preparations on leukemia cells</i>
Sebastian Abel	2001	M	1st	<i>Cloud</i>
Sebastian Abel	2001	M	SPECIAL PRIZE	<i>Cloud</i>
Manuel Benda Karl-Peter Fritz Peter Reinhardt	2001	MMM	SPECIAL PRIZE	<i>New optical brighteners on a natural basis</i>
Johannes Kuhnert	2001	M	SPECIAL PRIZE	<i>Development of a simulation model for surge arresters</i>
Pawel Piotrowski	2002	M	1st	<i>Special wings and ground effect for efficient transportation</i>
Martin Etzrodt Martin von der Helm	2002	MM	1st	<i>The slime mold physarum as a model organism for biotesting</i>
Pawel Piotrowski	2002	M	TRAVEL AWARD TO THE NOBEL PRIZE CEREMONY (Stockholm International Youth Science Seminar)	<i>Special wings and ground effect for efficient transportation</i>
Pawel Piotrowski	2002	M	ALUMNI PRIZE	<i>Special wings and ground effect for efficient transportation</i>
Elisabeth Krause Sebastian Bürgel	2002	FM	SPECIAL PRIZE	<i>Gravitation rules</i>
Jana Ivanidze	2003	F	1st	<i>pH sensitive GFP mutant</i>
Uwe Treske	2003	M	1st	<i>Low-cost scanning tunneling microscope</i>
Uwe Treske	2003	M	SPECIAL PRIZE	<i>Low cost scanning tunnelling microscope</i>
Mario Chemnitz	2004	M	1st	<i>Ultrasonic detector for gas chromatography</i>
Roland Bauerschmidt	2004	M	2nd	<i>Internet access for guests</i>
Mario Chemnitz	2004	M	SPECIAL DONATED PRIZE BY THE EPO AND EIROforum	<i>Ultrasonic detector for gas chromatography</i>

Michael Achtelik	2004	M	SPECIAL DONATED PRIZE BY THE EPO AND EIROforum	<i>Miniaturized turbo jet engine</i>
Roland Bauerschmidt	2004	M	HOST ORGANISATION SPECIAL DONATED PRIZES	<i>Internet access for guests</i>
Igor GOTLIBOVITCH Renate LANDIG	2005	MF	FIRST PRIZE (€5000)	<i>Corners in water - unexpected symmetry breaking in fluid dynamics</i>
Stephen SCHULZ	2005	M	SECOND PRIZE (€3000)	<i>Lab on the chip - new perspectives with electrons as universal reagent</i>
Igor GOTLIBOVITCH	2005	MF	HONORARY	<i>Corners in water - unexpected symmetry breaking in</i>
Stephen SCHULZ	2005	M	SPECIAL	<i>Lab on the chip - new perspectives with electrons as</i>
Johannes BURKART Alexander JOOS	2006	M M	FIRST PRIZES (€5000)	<i>Flight curves of table tennis balls</i>
Thomas GIGL	2006	M	SECOND PRIZES	<i>Radial velocity measurement of spectroscopic binaries</i>
Johannes BURKART Alexander JOOS	2006	MM	HONORARY AWARD: STOCKHOLM INTERNATIONAL YOUTH SCIENCE SEMINAR	<i>Flight curves of table tennis balls</i>
Denis MOELLER	2006	M	SPECIAL DONATED PRIZE	<i>Climatic differences in the region of Hildesheim</i>
Thomas GIGL	2006	M	SPECIAL DONATED PRIZE BY THE EPO AND EIROforum	<i>Radial velocity measurement of spectroscopic binaries</i>
Florian Ostermaier Henrike Wilms	2007	MF	FIRST PRIZES (€5000)	<i>Flashing Water Drops</i>
Florian Schnös	2007	M	THIRD PRIZES (€1500)	<i>SmartCam – Development of a universal 3D-Camera</i>
Florian Ostermaier Henrike Wilms	2007	MF	HONORARY AWARD: STOCKHOLM INTERNATIONAL YOUTH SCIENCE SEMINAR	<i>Flashing Water Drops</i>
Raphael Errani	2007	M	SPECIAL DONATED PRIZES BY THE EPO AND EIROforum	<i>Impact Probability of Asteroids on Earth</i>
David Wittkowski	2008	M	SECOND PRIZES (€5000)	<i>Polygonal structures on rotating fluid surfaces</i>

Anja Massolle Lisa Schowe	2008	FF	SPECIAL DONATED PRIZE: International Sustainable World Project Olympiad	<i>When leaves turn red... Chlorophyll fluorescence as a quantitative indicator of plant damage</i>
Steffen Strobel	2009	M	THIRD PRIZES (€3500)	<i>Development of a near-infrared vein imaging system</i>
Steffen Strobel	2009	M	SPECIAL DONATED PRIZES BY THE EPO AND EIROforum	<i>Development of a near-infrared vein imaging system</i>
Julian Petrasch	2009	M	SPECIAL DONATED PRIZES BY THE EPO AND EIROforum	<i>SAMS - improved determination of minor planet positions</i>
Simon Schuldt	2010	M	SECOND PRIZES (€5000)	<i>Aircraft Of The Future - A Practise-based School Project</i>
Luca Banszerus Michael Schmitz	2010	MM	SECOND PRIZES (€5000)	<i>Production And Charaterization Of Graphene Devices</i>
Simon Schuldt	2010	M	SPECIAL DONATED PRIZES BY THE EPO AND EIROforum	<i>Aircraft Of The Future - A Practise-based School Project</i>
Andreas Lang	2010	M	HOST ORGANISATION SPECIAL DONATED PRIZES	<i>Face Detection Using Swarm Intelligence</i>
Benjamin Walter	2011	M	SECOND PRIZES (€5000)	<i>Scanning Tunnelling Microscopy of Coronene Molecules on Germanium (111)</i>
Gabriel Salg Nicolas Scheidig	2011	MM	SPECIAL DONATED PRIZES BY THE Joint Research Centres (JRC) Prize	<i>The New Magic Formula For Eliminating Bad Breath: C42h70o35</i>
Danial Sanusi Xianghui Zhong Fabian Henneke	2011	MMM	SPECIAL DONATED PRIZES - The Intel ISEF 2012 Prizes	<i>(almost) Unit-distance Points In The Polychromatic Plane - Colourings Of The N-dimensional Space</i>
Jan Michael Rapp Timo Schmetzer	2012	MM	2nd	<i>Information technology for a feedback control</i>

Timm Piper	2012	M	SPECIAL DONATED PRIZES BY THE EPO AND EIROforum (EFDA: The European Fusion Development Agreement)	<i>Darkfield contrast microscope</i>
Alexander Emhart	2012	M	HOST ORGANISATION SPECIAL	<i>Electrolytic raffination of hydrogen</i>
Lennart Kleinwort (15)	2013	M	2nd	<i>FreeGeo – the world's first dynamic Android mathematics system app</i>
Daniel Pflueger (18)	2013	M	3rd	<i>Measuring water waves</i>
Michael Laue (18)	2013	M	SPECIAL DONATED PRIZES BY ESRF: The European Synchrotron Radiation Facility	<i>Preparation of Electrically Conductive Carbon Layers by Chemical Converting Graphene Oxide</i>
Adrian Huck (19) Daniel Heid (19) Rafael Dieter Quadbeck (17)	2014	MMM	SPECIAL DONATED PRIZES BY JRC - Joint Research Centre	<i>Thiothrix sp. – Investigation of sulfur oxidizing bacteria for the sensor-controlled desulfurization of biogas</i>
Anselm Bernhard Peter Dewald (19), Philipp Mandler (18) Robin Braun (18)	2014	MMM	3rd	<i>Hexapod - Construction and Programming of a six-legged exploration robot</i>
Lukas Stockner (18)	2015	M	1st	<i>Statistical modeling of volume-scattered light</i>
Anselm von Wangenheim (18)	2015	M	3rd	<i>Monopod - Physics at the tipping point</i>
Lukas Stockner (18)	2015	M	Stockholm International Youth Science Seminar 2015	<i>Statistical modeling of volume-scattered light</i>
Anselm von Wangenheim (18)	2015	M	SPECIAL DONATED PRIZE BY EIROFORUM - ESA	<i>Monopod - Physics at the tipping point</i>
Jakob Paul Ignaz Maria Dichgans (17) Daniel Simon Riesterer (18) Lumen Latus Haendler (19)	2015	MMM	SPECIAL DONATED PRIZE - Intel ISEF 2016 Prize	<i>Power to gas - an alternative approach</i>