










# PROJECTS, FIELDS, CONTESTANTS & COUNTRIES FACT SHEET



<b>Austria</b>					
	<b>1</b>	<i>Energy from Maize Straw</i>	Martina	HAFNER	Environmental Science
	<b>2</b>	<i>Salt Crystals as a New Energy Storage Technology</i>	Werner Julian David	POLLHAMMER GLECHNER STOCKINGER	Engineering Engineering Engineering
	<b>3</b>	<i>Synthesis of a Linker Molecule for Self-Assembled Monolayers (SAM)</i>	Philipp	ZAGAR	Chemistry
<b>Belarus</b>					
	<b>4</b>	<i>Almost Central Symmetry</i>	Pavel Mikhail	PERESTORONIN GLUSHENKO	Mathematics Mathematics
	<b>5</b>	<i>Geometry in the Bounded Spaces</i>	Sergey Svyatoslav	SHILKEVICH BABINETS	Mathematics Mathematics
	<b>6</b>	<i>Stop a Moment</i>	Aliaksei Andrei	AKSIUTSIK ANDREYEU	Physics Physics
<b>Bulgaria</b>					
	<b>7</b>	<i>GMOs - Enthusiasm or Fear</i>	Yavor	PLAMENOV DENCHEV	Biological Science
	<b>8</b>	<i>Irreducibility of Polynomials</i>	Ivan Momchil	RUMENOV PENCHEV PRESLAVOV KONSTANTINOV	Mathematics Mathematics
	<b>9</b>	<i>Possibilities for People with Hearing Loss to Perceive Sounds</i>	Slaveya	ANGELOVA ANGELSKA	Social Science

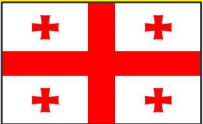




<b>China</b>				
	<b>10</b> <i>Pedal Keyboard Input System</i>	Cong Yingqi Shenyuan	XIU WU LIU	Engineering Engineering Engineering
	<b>11</b> <i>Polluting Property and Dispersion Rule of Airborne Allergenic Pollen in Urban Areas</i>	Xin	YAN	Environmental Science
<b>Czech Republic</b>				
	<b>12</b> <i>Enterococci Isolated from the Human Urogenital Tract</i>	Milan	TROJÁNEK	Medical Science
	<b>13</b> <i>Generalization of the Method of Tiling in Triangular and Hexagonal Grid</i>	Eva	ČERNOHORSKÁ	Mathematics
	<b>14</b> <i>JTR Dry Slipper Clutch for Ducati and its Racing Use</i>	Josef Tomáš	VALIHRACH NEVÍDAL	Engineering Engineering
<b>Denmark</b>				
	<b>15</b> <i>Improved Efficiency and Less Pollution of Two-Stroke Motors</i>	Michael Jesper Lykke	MADSEN RASMUSSEN	Engineering Engineering
	<b>16</b> <i>More Efficient and Cheaper Methods for Bioethanol Production</i>	Sebastian Christoffer	THRANE NORN	Biological Science Biological Science
	<b>17</b> <i>Why Drop the Fun – When the Drip Is On?</i>	Tobias Maduro	NØRBO	Engineering




<b>Estonia</b>			
	<b>18</b> <i>Lesser Redpoll (Carduelis flammea cabaret) – A New Bird Species in Estonia</i>	Hillar	LIIV Biological Science
	<b>19</b> <i>Synthesizer of Vowels of Estonian Language</i>	Mihkel	AAMER Engineering
<b>European Schools</b>			
	<b>20</b> <i>Consequences of the Existence of a Boson for the Gravitational Force</i>	Lucas Andreas	FIÉVET THOMIK Physics Physics
<b>Finland</b>			
	<b>21</b> <i>Effects of Nicotine on a Primary Lipid of Lung Surfactant</i>	Klaara	KANNISTO Chemistry
	<b>22</b> <i>Finding Optimal Tactics with a Genetic Algorithm</i>	Joel	KAASINEN Information/Computer Science
<b>France</b>			
	<b>23</b> <i>Can We Walk on Water?</i>	Aude Astrid Anne-Laure	LATRIVE VERPEAUX DELAYE Physics Physics Physics
	<b>24</b> <i>The Hydrogen Boat</i>	Etienne Sylvain Camille	FARINE CHEVALIER SIMONDON Environmental Science Environmental Science Environmental Science




<b>Georgia</b>				
	<b>25</b> <i>Application of Modern Molecular Biology Methods for Resolving Research Problems</i>	Vamekh Aleksandra	KHERKHEULIDZE NADIRADZE	Biological Science Biological Science
	<b>26</b> <i>Osteochondrosis and Overweight: Mechanisms of Weight Action on Vertebral Column</i>	Lasha	GORGOSHIDZE	Medical Science
	<b>27</b> <i>Protection of Georgian Rivers from Sawdust Pollution</i>	Giorgi	NAZGAIDZE	Environmental Science
<b>Germany</b>				
	<b>28</b> <i>Flashing Water Drops</i>	Henrike Florian	WILMS OSTERMAIER	Physics Physics
	<b>29</b> <i>Impact Probability of Asteroids on Earth</i>	Raphaël	ERRANI	Physics
	<b>30</b> <i>SmartCam – Development of a Universal 3D-Camera</i>	Florian	SCHNÖS	Engineering
<b>Hungary</b>				
	<b>31</b> <i>Examination of the Plants' Self-Defence Against Pests</i>	Márton	SPOHN	Chemistry
	<b>32</b> <i>Recognition of Movement Patterns Through the Use of Computer</i>	Dániel István	BUZA	Information/Computer
	<b>33</b> <i>SmartDiff</i>	István	CSANÁDY	Mathematics






Iceland			
	<b>34</b>	<i>Ice-Gripping System</i>	Engineering
			Engineering
		Magni Rafn JÓNSSON	
		Sigurður Freyr KRISTINSSON	





Ireland			
	<b>35</b>	<i>An Extension of Wiener's Attack on RSA Encryption</i>	Mathematics
		Abdusalam ABUBAKAR	

Israel			
	<b>36</b>	<i>Dental Implants</i>	Medical Science
			Medical Science
			Medical Science
	<b>37</b>	<i>Molecular Identification and Characterization of Phytoplasma Bacteria in Grapevines</i>	Biological Science
	<b>38</b>	<i>Towards Scanning a Biological Live Cell with the SNIM (Scanning Near-Field IR Microscope)</i>	Physics
		Victoria Eugenia Diana	
		EVELKIN KOSSOY GALSTYAN	
		Yael	
		AMARILYO	
		Nancy	
		EL-BASEL	






<b>Italy</b>				
	<b>39</b> <i>ASTRO Water Purification. Active Sludge Treatments for Water Purification</i>	Ivan Pietro Matteo	PASSALENT LIUZZO SCORPO BRICHESE	Environmental Science Environmental Science Environmental Science
	<b>40</b> <i>Physical Discrete Time Modelling of a Vibrant String to the Synthesis of Sound</i>	Dario	CORBETTA	Information/Computer Science
	<b>41</b> <i>Water Rockets</i>	Gabriele	MAINI	Engineering
<b>Latvia</b>				
	<b>42</b> <i>Late Star Spectral Classification in Selected Areas of the Sky</i>	Reinis Janis	BIZUNS PUTNINS	Physics Physics
	<b>43</b> <i>Production of Nano-Architectures by Electronic Methods</i>	Armands	RIDERS	Chemistry
	<b>44</b> <i>Revision of Ichneumon Wasp (Ichneumonidae, Hymenoptera) Tribus Protichneumonini in Latvia</i>	Ugis	PI TERANS	Biological Science
<b>Lithuania</b>				
	<b>45</b> <i>ACE genotype - Promising Genetic Marker for Heart Diseases</i>	Aurelija	ABRAITYTĖ	Medical Science
	<b>46</b> <i>Lithuanian Youth Interest in Science</i>	Austė Renata	CIJŪNĖLYTĖ RABOVIČ	Social Science Social Science
	<b>47</b> <i>Zinc and Zinc Alloys Galvanic Coatings: Structure Homogeneity Determines Resistance to Corrosion</i>	Milda Rasa	JURĖNAITĖ BRIEDYTĖ	Chemistry Chemistry






<b>Malta</b>					
	<b>48</b>	<i>Electrostatic Soot Absorber</i>	Simon Antonella	THEUMA SCERRI	Environmental Science Environmental Science
			Rachel	DEBATTISTA	Environmental Science
<b>Norway</b>					
	<b>49</b>	<i>Do Spices such as Cayenne Pepper, Cumin, Turmeric, Cinnamon and Powdered Cloves Inhibit Funqus Growth on Cooked Rice?</i>	Sravanthi	DEVULAPALLI	Biological Science
	<b>50</b>	<i>Population Models</i>	Maria Teresa	BEZEM	Mathematics
<b>Poland</b>					
	<b>51</b>	<i>Bi-Functional Cross-Linking Reagents as a Means of Establishing Spatial Protein Structure</i>	Dominik Pawel	CYSEWSKI GNIEWEK	Chemistry Chemistry
	<b>52</b>	<i>Influence of Coal-Fired Power Stations on the Concentration of Radioisotopes in the Environment</i>	Grzegorz	MAZUR	Physics
	<b>53</b>	<i>Synthesising and Measuring Superconducting Sodium Cobalt Oxide (NaxCoO2) Crystals</i>	Radoslaw	CHRAPKIEWICZ	Physics








<b>Portugal</b>				
	<b>54</b> <i>Anaerobic Reactor UASB</i>	Mariana Estela	BATISTA VICENTE	Environmental Science Environmental Science
	<b>55</b> <i>Attitudes Towards Paternity</i>	Cláudia Vanessa Inês	DOMINGOS CARVALHO SANTOS	Social Science Social Science Social Science
	<b>56</b> <i>Construction of a Water Cooling System for Computer Components</i>	João	AMARAL	Engineering
<b>Russia</b>				
	<b>57</b> <i>Microbiological Pollution of a Personal Computer</i>	Tatyana	PUSHKAREVA	Biological Science
	<b>58</b> <i>The Dynamics of the Panic-Stricken Crowd</i>	Artyom Julia	ZAVIDEEV OGLUZDINA	Physics Physics
	<b>59</b> <i>The Study of Steel Corrosion Inhibitors Synergism</i>	Igor	BURLAK	Chemistry
<b>Slovakia</b>				
	<b>60</b> <i>Flowing of Free Surface Liquid and Drop Formation</i>	Viktória Annamária	SOLTÉSZOVÁ ŠOFRANKOVÁ	Physics Physics
	<b>61</b> <i>The Study of Symbiotic Star BF Cygni</i>	Lubomír	URBANČOK	Physics
	<b>62</b> <i>Toxic Influence of Mercury and Cadmium on Artemia Salina Development</i>	Milan	MARETTA	Environmental Science



<b>Slovenia</b>				
	<b>63</b> <i>Collection of Minerals and Rocks in Ljubljana</i>	Marinka	ŽITNIK	Chemistry
	<b>64</b> <i>The Effects of Substrate Density on Pit Building Decision and Pit Size in the Antlion Larvae (<i>Euroleon nostras</i>)</i>	Petra	DEVETAK	Biological Science
<b>Spain</b>				
	<b>65</b> <i>Simple Games Language Compiler. A Novel Toolbox Designed to Solve Mathematical Problems Related to Game Theory</i>	Ricardo	MARTÍN	Information/Computer Science
	<b>66</b> <i>The 607: Antiretroviral Compound. QSAR Study of TIBO Molecules</i>	Pau	MACHADO	Engineering
	<b>67</b> <i>The Pantheon: A Building, a Universe. The Pantheon and its Relation with the Sun</i>	Àngel	SOLANELLAS	Chemistry
<b>Sweden</b>				
	<b>68</b> <i>Construction and Analysis of a Tesla Coil</i>	David Robert	ANDERSSON PIEHL-FRIDQVIST	Physics Physics
	<b>69</b> <i>Iron Oxidizing Bacteria in a New Environment</i>	Kajsa Maria Maria	KRONELD VIKTORSSON HALLBÄCK ULNES	Biological Science Biological Science Biological Science
	<b>70</b> <i>Rapid Evolution in Bearded Reedling (<i>Panurus biarmicus</i>)</i>	Johan	JENSEN	Biological Science



<b>Switzerland</b>					
	<b>71</b>	<i>Neural Networks – simulation and application in strategy games</i>	Tobias Daniel	SCHLATTER MEISTER	Information/Computer Information/Computer
	<b>72</b>	<i>Simulations on the Sphere: Distribution of Points and Calculations of Energy</i>	Martin Lucas	LANTER BRÖNNIMANN	Information/Computer Information/Computer
	<b>73</b>	<i>Spectral Analysis of Electroencephalograms for Classification by Neural Networks</i>	Eric Raphael	STASSEN BLASER	Physics Physics
<b>Turkey</b>					
	<b>74</b>	<i>A New Hot Water Source Established with the Environmentally Friendly Zeolite</i>	Seyma Kevser	SAVAS UZ	Earth Science Earth Science
	<b>75</b>	<i>Gaining Lithium and Cobalt by Recycling Lithium and Cobalt Batteries and Prevent Environmental Effects</i>	Tunç Nadir	ÖZCAN	Environmental Science
	<b>76</b>	<i>The Integer Values of Algebraic Expressions and Some New Properties of Binomial Coefficients</i>	Mustafa	HAMIDOGLU	Mathematics
<b>Ukraine</b>					
	<b>77</b>	<i>Synthesis of Biomaterial Biphas Composite Hydroxyapatite-Beta-Tricalcium Phosphate</i>	Olena	SHYNKARUK	Chemistry



### United Kingdom



**78** *Absorption of Ions: Investigation into the Removal of Chromium Ions from Water*

Anna

RESSEL

Chemistry

**79** *Ix, Ypsilon, Z*

Mike

BROWNBILL

Information/Computer

**80** *FSC11 – The Flexible TV Standby Controller*

Galen

BROWN

Engineering

### USA



**81** *The Secret in Mimosa's Leaf Folding Pattern*

Natnaree

SIRIWON

Biological Science

Nathaphon

SUPOKAIVANICH

Biological Science

Korawich

NIYOMSATIAN

Biological Science

Further Information:

19th EUCYS Press Office: [prensa@uv.es](mailto:prensa@uv.es)

Virtual Press Centre: [www.uv.es/eucys07](http://www.uv.es/eucys07)

PRESS OFFICE

19th European Union Contest for Young Scientists

Universitat de València