



## The First International Conference Art, Science and Technology: Interaction between Three Cultures

Ort Braude College, Karmiel, Israel

June 1, 2011

“Beauty will Save the World” (F. Dostoevsky, Russian Writer)

Program			
08.00-09.00	Registration, Acquaintance and Light Breakfast with Music		
09.00-09.15	Overture: Music Performance by Young Talents		
09.15-9.55	Duet Plenary Talk: Alexander Zamyatnin, Chile and Russia – The Scientific Aspects of Art; and Alec Groysman, Israel - Art, Science and Technology: Interaction between Three Cultures		
	<b>Session 1</b> <b>Art, Science, Technology and Society</b> Chairs: Nicholas Harris and Sylwia Sobieszczyk	<b>Session 2</b> <b>Scientific and Technological Education through Art</b> Chairs: Charlotte Schapira and Oved Kedem	<b>Session 3</b> <b>Being an Artist, Being a Scientist, Being Both</b> Chairs: Miri Weiss Cohen and Vered Aviv
10.00-10.30	<b>Mel Alexenberg</b> , Israel - The Future of Art in a Postdigital Age: From Hellenistic to Hebraic Consciousness	<b>Michel Fauchoux</b> , France - Humanities and Engineering Universities	<b>Keynote lecture: Dirk Huylebrouck</b> , Belgium - Do Re Math: Mathematics, Music and Visualization: How Music, Modern Technological Features and even Food Can Illustrate Mathematics
10.30-11.00	<b>Dan Shechtman</b> , Israel - The Beauty of Soap Bubbles	<b>Ran Peleg, Ayelet Baram-Tsabari</b> , Israel - Drama in the Science Classroom: Theatrical Tools for Teachers	<b>Vered Aviv</b> , Israel – What Does the Brain Tells us About Abstract Art?
11.00-11.15	Coffee Break with Music		
11.15-11.45	<b>Yuli Chakk, Yehuda Stupniker</b> , Israel - Relativity Principle to Means of Measurements in Science and Art	<b>Igor Verner, Khayriah Massarwe and Daoud Bshouty</b> , Israel - Using Ornaments for Geometry and Multi-Cultural Education: Development, Implementation and Evaluation	<b>Igor Grabec, A. Borštnik Bračič, E. Govekar, J. Gradišek, P. Mužič, E. Susič, F. Švegl</b> , Slovenia – Characterization and Modeling of Patterns by an Intelligent System
11.45-12.15	<b>Joseph Salzman</b> , Israel - Beyond Certain Knowledge	<b>Diana Alderoqui Pinus</b> , Israel - Science is the Story: an Interactive Exhibition at the Bloomfield Science Museum Jerusalem	<b>Eugene A. Katz</b> , Israel - Bridges between Mathematics, Natural Sciences, Architecture and Art: The Case of Fullerenes
12.15-12.45	<b>Katharina Prinzenstein</b> , Austria - Interdisciplinarity in the Eyes of Equal Treatment Ethics	<b>Dafna Efron</b> , Israel - Can Science Make you Cry? Theatre at the Bloomfield Science Museum Jerusalem	<b>Noah Shamir</b> , Israel – About Aesthetics in Natural Sciences (the lecture will take 40 min)
12.45-14.00	Lunch Break with Music		
14.00-14.30	<b>Ben Baruch Blich</b> , Israel - Between Displaying and Representing: a Matter of Selection	<b>Eilon Aviram</b> , Israel - Computerized Composition in Music Education	<b>Eliezer Rapoport</b> , Israel – To See the Voices
14.30-15.00	<b>Yoed Tsur</b> , Israel - Common Pitfalls for Science, Art and Society	<b>Roey Tzezana</b> , Israel - Magic, Mentalism and Science	<b>Barak Tal</b> , Israel – Music Score Reading and its Relation to Solving a Mathematical Problem
15.00-15.30	<b>Alev Özkok</b> , Turkey - Digital Learning Environment for Transdisciplinary Studies	<b>Ran Peleg, Ayelet Baram-Tsabari</b> , Israel - Acting Science: Science in Theatre for Young People	<b>Einat Leader, Miri Weiss Cohen</b> , Israel - An Intelligent Learning Design Support System for Jewelry Features
15.30-15.45	Coffee Break with Music		
15.45-16.15	<b>Yehuda Stupniker, Yuli Chakk</b> , Israel - Theory of Inventive Problem Solving as a Common Denominator between Science, Technology and Art	<b>Tanya Nekritch, Igor Verner</b> , Israel - Developing Visual Literacy and Creative Work Skills through Exposure to Art and Practice in Geometric Design	<b>Oved Kedem</b> , Israel - Science of Music and Music of Science
16.15-16.45	<b>Alexios A. Petrou</b> , Cyprus - Nietzsche's Contestation of Science: The Relation between Art and Knowledge	<b>Anna-Lena Østern, Alex Stromme</b> , Norway - The Importance of Key Questions in the Storyline Water Project Combining Explorations into Art and Science in a Norwegian Urban Secondary School	<b>Symposium: Aesthetics in Industry</b> Chair: Amit Zoller <b>Talia Goldberg Gertman</b> , Israel – Artistic Painting for Industry
16.45-17.15	<b>Vladimir V. Smolyaninov</b> , Russia – The Golden Ratio in Art and Science	Scientific – Technological Performance “ <b>Discover the Science Behind Magical Phenomena!</b> ” Madatech – The Israel National Museum of Science, Haifa – Nature's Elements Meet in an Extraordinary Scientific Presentation, Demonstrating Light, Fire, Sound, Water and Color Effects	<b>Niva Yehiav</b> , Israel – Trend Watching & Color Forecasting Through the World of Paint and Fuax Finishes
17.30-18.15	<b>Irena Friedland - Piano, Avshalom Sarid - Viola, Ilan Schul - Clarinet</b> Israel - Seeing Music and Hearing Color "Marc Chagall in Sounds in Colors"		
18.15-19.30	Free Time for Exhibitions: "ART in the Eyes of Scientists and Engineers. Science and Technology in the Eyes of Artists", "Astronomy and Art"		
19.30-22.00	Conference Dinner and Special Concert: "Atar" Trio (Ofer Shelley – Piano, Tanya Beltser – Violin, Marina Kats - Cello) : Baroque, Jazz and Blues		



**The First International Conference**  
**Art, Science and Technology: Interaction between Three Cultures**  
**June 2, 2011**

**“Ars Longa, Vita Brevis” – “Art is Long, Life is Short” (Hippocrates, Ancient Greek Physician)**

<b>Program</b>			
08.00-09.00	<b>Registration, Acquaintance and Light Breakfast with Music</b>		
09.00-09.15	<b>Second Overture: Music Performance by Young Talents</b>		
09.15-9.55	<b>Plenary Talk: Tsion Avital, Israel - Art versus Design: the Confusion between Brain Tools and Hand Tools</b>		
	<b>Session 4</b> <b>Art and Design in Industry</b> Chairs: Celestino Soddu and Dirk Huylebrouck	<b>Session 5</b> <b>Technology – the Third Culture?</b> Chairs: Denes Nagy and Yoed Tsur	<b>Session 6</b> <b>Symposium on Arts and the Brain</b> Chairs: Gerry Leisman and Robert Melillo
10.00-10.30	<b>Symposium "Generative Art as Science of Poetics"</b> Keynote lecture: Celestino Soddu, Italy - Immanent Codes of Cities Identity	<b>Keynote lecture: Denes Nagy</b> , Hungary and Australia - One, Two, Three or Four Cultures: A Second Look	<b>Cochavit Elefant, Lotan Meir</b> , Israel - The Importance of Music in the Lives of Individuals with Rett Syndrome
10.30-11.00	<b>David Avnir</b> , Israel and <b>Dirk Huylebrouck</b> , Belgium – Chirality in Architecture	<b>Iris Aravot</b> , Israel - Where does the Form Come From?	<b>Vladimir Gontar</b> , Israel - Brain Creativity, Mathematical Imaging and Special Visual Stimuli for Neurofeedback Systems
11.00-11.15	<b>Coffee Break with Music</b>		
11.15-11.45	<b>Enrica Colabella</b> , Italy - The Equality Ambiguity	<b>Daphne Haim-Langford</b> , Israel - Biomimicry: a Bridge Between Science and Technology	<b>Gerry Leisman</b> , Israel - Auditory, Visual and Spatial Aesthetic and Artistic Training Facilitates Brain Plasticity: The Arts as a Vehicle for Rehabilitation
11.45-12.15	<b>Michael Burt</b> , Israel – Towards a Theory of Space Networks and Space Subdivision	<b>Abraham Tamir</b> , Israel - Interactions between Art and Science	<b>Robert Melillo</b> , USA - Hemispheric Specific Music as a Potential Treatment Modality for Functional Disconnection in Neurobehavioral Disorders
12.15-12.45	<b>Iohanna Pani</b> , Israel - Objectology	<b>Michael Bar-On</b> , Israel - Photography from the Ancient Greeks to the Digital Bayer Process	<b>Jean-Paul Courchia, Guigui Sarah, Benjamin Courchia, Maud Righini, Gabriel Cwilich</b> , France - Cezanne and the Mount Sainte-Victoire: A Neuroaesthetic Approach
12.45-14.00	<b>Lunch Break with Music</b>		
14.00-14.30	<b>Gábor Renner</b> , Hungary - Fast Computation of Highlight Lines on Surfaces	<b>Julia Belopukhova, Sergey Belopukhov, Nikolay Korsun, Arcady Fokin, Elena Kalabashkina</b> , Russia - Flax and Linen Products in the History, Art, Science and Technologies of Nations of the World	<b>Lionel Wolberger</b> , Israel - Scale Meters and Attention: Comprehending Phenomena Spanning Multiple Orders of Magnitude
14.30-15.00	<b>Janusz Rębielak</b> , Poland - Graphical Symbols of Three Cultures in Concept Design of Bezalel Academy of Arts	<b>Peter Soreanu</b> , Israel - Clusters in Data Mining and Communications: An Aesthetic Perspective	<b>Eyal Fried</b> , UK - Acclair's Art Valuation Service: A Critical Exploration of Neuro-metric Technologies and the Human Experience
15.00-15.30	<b>Ferhan Kiziltepe</b> , Turkey - A discussion on Frank O. Gehry and Nationale-Nederlanden	<b>Etan Fisher</b> , Israel - Demonstrating the Pure-Data Real-Time Audio Control Environment	<b>Vanessa Ben Shabetai, Laliv Cohen Israeli</b> , Israel - A Journey Through the Depth of Leonardo da Vinci's Soul
15.30-15.45	<b>Coffee Break with Music</b>		
15.45-16.15	<b>Lila Chitayat, Varda Gur, Maya Halevi</b> , Israel - MIC My Ideal City- A Virtual Ideal Jerusalem	<b>Eden Orion</b> , Israel – Astrophotography: Art or Science	<b>Natalia Vikina</b> , Russia - Rational Muses: New Approach to Science and Art
16.15-16.45	<b>Michael Schorr</b> , Israel and <b>Benjamin Valdez</b> , Mexico – Art, Science and Technology in Calatrava's Bridges	<b>David Gordon</b> , Israel – Hands free - Controlling an Audio-Visual Performance Through Body Movements in Space	<b>Ohad Ben Shimon</b> , Israel and Netherlands – Artistic Writing on Science Subjects
17.00-18.00	<b>Coda Tutti: Karmiel Orchestra and Final Parting</b>		

**Details and Registration**

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Conference Website: <http://conferences.braude.ac.il/ArtIndustrial/default.aspx>