

***1st*Universal Scientific Education and Research Network (USERN) Congress**

***&    the Festival for awarding the USERN Prize***

**November 8th, Tuesday**

**7:30 – 8:30: Registration**

***Main Hall***

**8:30 – 9:15: Opening Session**

**9:15 – 10:00: USERN Nobel Talk (UNT)**

*9:15 – 9:20: Cell replacement therapy: Introduction/Performance*

           9:20 – 10:00: Nuclear reprogramming as a route to cell replacement therapy. John Gurdon (UK) [Nobel Laureate 2012]

10:00 – 10:30: Coffee break

**10:30 – 13:00: USERN Keynote Lectures (UKL)**

**Moderators: Ali Akbar Moosavi-Movahedi, Reza Tavakkoli-Moghaddam, Sadollah Nasiri Gheydari, Roja Rahimi**

*10:30 – 10:40: Origins of the genes: Introduction/Performance*

            10:40 – 11:10: What the genes tell us about our origins, evolutionary history and our current health. Francesco Cucca (Italy)

*11:10 – 11:15: Climate change: Introduction/Performance*

11:15 – 11:45: Climate change and global warming. Hai Cheng (China)

*11:45 – 11:55: The earth: Introduction/Performance*

            11:55 – 12:25: Earth: Our ever changing planet? *Timothy W. Lyons (USA)*

*12:25 – 12:30: The universe: Introduction/Performance*

            12:30 – 13:00: The universe: Conception and evolution. Bahram Mobasher (USA)

13:00 – 14:00: Lunch break

**14:00 – 16:00: Plenary Panel**

*14:00 – 14:05: Uncertainty in life: Introduction/Performance*

14:00 – 14:15: Uncertainty in life. *Tamsin Edwards (UK)*

14:15 – 16:00: **Layers of depth: Science from galaxy to genome**

Moderators: John Gurdon (UK), Francesco Cucca (Italy), *Timothy W. Lyons (USA),* Hai Cheng (China), Bahram Mobasher (USA)

Facilitator: *Tamsin Edwards (UK)*

***Conference Room 2***

**10:30 – 12:30: Focused Group Discussion (FGD) 2 [Limited number of seats. Registration is on a first come, first served basis]**

How would networking change our lives in the future? The dawn of a new era. Guanrong Chen (Hong Kong, China)

**14:00 – 16:00: Focused Group Discussion (FGD) 1 [Limited number of seats. Registration is on a first come, first served basis]**

Analytical glance at leadership and problem-solving capabilities. Michael D. Mumford (USA)

***Conference Room 3***

**10:30 – 12:30: Focused Group Discussion (FGD) [Limited number of seats. Registration is on a first come, first served basis]**

Social Conception and perception of laughing: Our perception of laughter tells us what laughter is talking about. *Willibald Ruch (Switzerland)*

**\* 18:00 – 22:00: Social Program [Limited number of seats. Registration is on a first come, first served basis]**

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**November 9th, Wednesday**

**7:30 – 8:30: Breakfast Meetings with top scientists (parallel) [Limited number of seats. Registration is on a first come, first served basis]**

***Main Hall***

**8:30 – 9:00: USERN Able Virtual Talk (UAVT)**

*8:30 – 8:35: Philosophy of science: Introduction/Performance*

            8:35 – 9:00: Remarks on mathematics. Louis Nirenberg (Canada) [Abel Laureate 2015]

**9:00 – 10:30: USERN Keynote Lectures (UKL)**

**Moderators: Parviz Norouzi, Ahmad Reza Dehpour, Mehrdad Hamidi, Farnoush Faridbod**

*9:00 – 9:05: Renewable energy: Introduction/Performance*

            9:05 – 9:30: Renewable energy: past, present, future. *Jamshid Aghaei (Iran)*

*9:30 – 9:35: Human brain: Introduction/Performance*

            9:35 – 10:00: An interdisciplinary insight into the human brain: Advances in the third millennium. *Alexander Leemans* (the Netherlands)

*10:00 – 10:05: Neuroscience today: Introduction/Performance*

            10:05 – 10:30: The golden age of neuroscience, neurology and neurotherapeutics has arrived! *(Olaf Stuve, USA)*

10:30 – 11:00: Coffee break

**11:00 – 13:00: USERN Keynote Lectures (UKL)**

**Moderators: Reza Majdzadeh, Abolfazl Akbarzadeh, Saied Pakniat, Farzaneh Shemirani**

*11:00 – 11:05: Measurement of science: Introduction/Performance*

            11:05 – 11:30: Measures of science: merits and dangers of rankings in higher education. Michael Schreiber (Germany)

*11:30 – 11:35: Big data: Introduction/Performance*

           11:35 – 12:00: Big data: The hardships of interpretation. Balakrishnan Narayanaswamy (Canada)

*12:00 – 12:05: Teamwork: Introduction/Performance*

12:05 – 12:30: Future of nanomedicine: impact of teamwork. Morteza Mahmoudi (Iran, USA)

*12:30 – 12:35: Networking: Introduction/Performance*

            12:35 – 13:00: Network science and engineering: The dawn of a new era. Guanrong Chen (Hong Kong, China)

13:00 – 14:00: Lunch break

**14:00 – 16:00: Plenary Panel**

*14:00 – 14:05: Past, present, and future: Introduction/Performance*

14:05 – 14:15: Progress in multidisciplinary approaches to the sciences from the past to the future. Laily Mahoozi (Iran)

14:15 – 16:00: ***Timely trends in science***

Moderators: Michael Schreiber (Germany), Balakrishnan Narayanaswamy (Canada), Guanrong Chen (Hong Kong, China), Olaf Stuve (USA), Morteza Mahmoudi (Iran, USA), *Jamshid Aghaei (Iran), Alexander Leemans* (the Netherlands)

Facilitators: Laily Mahoozi (Iran) and Afsaneh Shirani (USA)

***Conference Room 2***

**8:30 – 10:30: Focused Group Discussion (FGD) 4 [Limited number of seats. Registration is on a first come, first served basis]**

Resistance to nuclear reprogramming by eggs. John Gurdon (UK)

**11:00 – 13:00: Focused Group Discussion (FGD) 5 [Limited number of seats. Registration is on a first come, first served basis]**

Genetic regulation of the immune system in health and disease. Francesco Cucca (Italy)

**14:00 – 16:00: Focused Group Discussion (FGD) 6 [Limited number of seats. Registration is on a first come, first served basis]**

The evolution of food: what will we eat in the next century? José Alfredo Martínéz (Spain)

***Conference Room 3***

**11:00 – 13:00: Focused Group Discussion (FGD) 7 [Limited number of seats. Registration is on a first come, first served basis]**

Uncertainty in earth system modeling. *Tamsin Edwards (UK)*

**14:00 – 16:00: Focused Group Discussion (FGD) 8 [Limited number of seats. Registration is on a first come, first served basis]**

Climate change and human civilization/Culture history. Hai Cheng (China)

**\* 17:00 – 21:00: USERN Advisory Board Meeting [Open just for invited USERN advisory board members]**

**November 10th, Thursday**

**7:30 – 8:30: Breakfast Meetings with top scientists (parallel) [Limited number of seats. Registration is on a first come, first served basis]**

***Main Hall***

**8:30 – 10:30: USERN Keynote Lectures (UKL)**

**Moderators: Mohammad Abdollahi, Davood Domiri Ganji, Shekoufeh Nikfar, Leila Azadbakht**

*8:30 – 8:35: Human physics: Introduction/Performance*

            8:35 – 9:00: Human physics: Neutrigenetics and epigenetics of obesity.   José Alfredo Martínéz (Spain)

*9:00 – 9:05: Creativity: Introduction/Performance*

            9:05 – 9:30: Creativity: are we killing or improving it?   Michael D. Mumford (USA)

*9:30 – 9:35: Happiness: Introduction/Performance*

            9:35 – 10:00: Stumbling on happiness or mumbling a value? Willibald Ruch (Switzerland)

*10:00 – 10:05: Format of thoughts: Introduction/Performance*

10:05 – 10:30: What are the building blocks of thoughts. *Floris De Lange (the Netherlands)*

*10:30 – 10:35: Nostalgia: Introduction/Performance*

            10:35 – 11:00: Nostalgia uplifts the human spirit. Constantine Sedikides (UK)

11:00 – 11:30: Coffee break

**11:30 – 13:30: Plenary panel**

*11:30 – 11:35: Man and machine interaction: Introduction/Performance*

            11:35 – 11:45: Man and machine interaction- technology for sustaining life on earth. Lucas Joppa (USA)

*11:45 – 11:50: Human dimensions: Introduction/Performance*

11:50 – 12:00: Human entity and scientific paradigm. *Shervin Vakili (Iran)*

12:00 – 13:30: **Human dimensions: Science of creature**

Moderators: José Alfredo Martínéz (Spain), Michael D. Mumford (USA), Willibald Ruch (Switzerland), Constantine Sedikides (UK), *Floris P De Lange (the Netherlands)*

Facilitator: *Shervin Vakili (Iran)*

***Conference Room 2***

**8:30 – 10:30: Focused Group Discussion (FGD) 10 [Limited number of seats. Registration is on a first come, first served basis]**

In search of the origins: From universe to life. Bahram Mobasher (USA)

**11:30 – 13:30: USERN Junior Talks**

**Moderators: Mofid Gorji, Omid Bozorg Haddad, Fariborz July, Hassan Bagheri**

***Conference Room 3***

**8:30 – 10:30: Focused Group Discussion (FGD) 11 [Limited number of seats. Registration is on a first come, first served basis]**

Simulations in culture and science and their relation to reality. Michael Schreiber (Germany)

**11:30 – 13:30: Focused Group Discussion (FGD) 9 [Limited number of seats. Registration is on a first come, first served basis]**

How earth's distant past guides the search for life in the universe. Timothy W. Lyons (USA)

**\* 18:00 – 21:00: Closing ceremony and awarding festival**

**\* 21:00 – 23:00: Gala Dinner with top scientists [Limited number of seats. Registration is on a first come, first served basis]**

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