

Summer School per ShanghaiTech



VENICEASIAGO2016

Report of Contributions

Contribution ID: 3

Type: **not specified**

How Chinese may survive Italy and still enjoy it - Part I

Wednesday, 17 August 2016 09:00 (1h 15m)

Abstract to be inserted.

Primary author: Ms BARCHI, Kim Anne (Universita' di Padova)

Presenter: Ms BARCHI, Kim Anne (Universita' di Padova)

Session Classification: Welcome to Italy

Contribution ID: 5

Type: **not specified**

History of Veneto: from middle-ages onward

Wednesday, 17 August 2016 13:00 (2 hours)

Primary author: Prof. ORTALLI, Gherardo

Presenter: Prof. ORTALLI, Gherardo

Session Classification: Art and General Culture

Contribution ID: 6

Type: **not specified**

Venetian paintings and sculptures

Primary author: Ms ANDREOLI, Ilaria (Fondazione Giorgio Cini)

Presenter: Ms ANDREOLI, Ilaria (Fondazione Giorgio Cini)

Contribution ID: 7

Type: **not specified**

How Chinese may survive Italy and still enjoy it - Part II

Wednesday, 17 August 2016 10:30 (1h 30m)

Presenter: Ms BARCHI, Kim Anne (Universita' di Padova)

Session Classification: Welcome to Italy

Contribution ID: 9

Type: **not specified**

Venice. History and Intellectual History

Thursday, 18 August 2016 14:00 (2 hours)

Primary author: Prof. BRUNI, Francesco

Co-author: Prof. GULLINO, Giuseppe (University of Padova)

Presenters: Prof. BRUNI, Francesco; Prof. GULLINO, Giuseppe (University of Padova)

Session Classification: Art and General Culture

Contribution ID: 11

Type: **not specified**

The 'three hearts' of the Most Serene Republic of Venice –Part II

Friday, 19 August 2016 10:30 (1h 30m)

Presenter: Prof. PLACENTINO, Paola (IUAV)

Session Classification: Art and General Culture

Contribution ID: 12

Type: **not specified**

Flashes of music history in the Venetian Republic – Part I

Friday, 19 August 2016 13:00 (2 hours)

Presenter: Prof. DURANTE, Sergio (University of Padova)

Session Classification: Art and General Culture

Contribution ID: 13

Type: **not specified**

Flashes of music history in the Venetian Republic – Part II

Saturday, 20 August 2016 09:00 (1h 15m)

Presenter: Prof. DURANTE, Sergio

Session Classification: Art and General Culture

Contribution ID: 14

Type: **not specified**

Flashes of music history in the Venetian Republic – Part III

Saturday, 20 August 2016 10:30 (1h 30m)

Presenter: Prof. DURANTE, Sergio

Session Classification: Art and General Culture

Contribution ID: 15

Type: **not specified**

The 'three hearts' of the Most Serene Republic of Venice –Part I

Friday, 19 August 2016 09:00 (1h 15m)

Primary author: Prof. PLACENTINO, Paola (IUAV)

Presenter: Prof. PLACENTINO, Paola (IUAV)

Session Classification: Art and General Culture

Contribution ID: **18**

Type: **not specified**

The "Stato da Terra" and the "Civilization" of Venetian Villas

Sunday, 21 August 2016 09:00 (1h 15m)

Presenter: Prof. AZZI VISENTINI, Margherita

Session Classification: Art and General Culture

Contribution ID: 19

Type: **not specified**

Venetian Villas 15th-18th century: architecture fresco and stucco decoration, gardens

Sunday, 21 August 2016 10:30 (1h 30m)

Presenter: Prof. AZZI VISENTINI, Margherita

Session Classification: Art and General Culture

Contribution ID: 20

Type: **not specified**

Venetian glass art and science

Sunday, 21 August 2016 13:00 (2 hours)

Venetian Glass is an amazing example of how art and science can combine to give fabulous results of beauty and performance. Venetian glassmaking dated back on the VIII century, when Venice was at the centre of important commercial exchange with the Middle East and opened to welcome new specialised skills. Made of various components, that mixed together can provide for a variety of different properties, the glass has been always a material full of surprises. Venetian glassmaking was an art, handed down from father to son, and now it has reached a very high level of technological advances and development. Apart from different colours that can be achieved by adding dopants or pigments, glass can be strengthened to resist to high temperature and to high pressures as well as can be moulded in various shapes.

In this lecture, the history of the glass with special attention to the venetian one will be presented, showing astonishing examples of beauty made by combining different properties of this material. The scientific explanation of its properties as well as its nature will be revised, with a trip from art to science and from science to art.

Some highlights on how to tailor its properties, to produce it in a controlled, as required in industrial processes, or in a creative and unique way, as art demands, will be discussed. Finally an outlook to Venetian glass and glass in general, with the relative perspectives and potentialities will be discussed.

References:

The lecture's slides will be provided. A recent review on the Venetian glass is available at the following link: <http://www.istitutoveneto.org/pdf/testi/vetro/ATTI%20Study%20Days%20on%20Venetian%20Glass%20Approxima>

Primary author: Prof. SADA, Cinzia (University of Padova)

Presenter: Prof. SADA, Cinzia (University of Padova)

Session Classification: Art and General Culture

Contribution ID: 21

Type: **not specified**

Palladio's architecture

Monday, 22 August 2016 15:30 (1h 30m)

Presenter: Prof. PLACENTINO, Paola (IUAV)

Session Classification: Art and General Culture

Contribution ID: 22

Type: **not specified**

The University of Padova: a story of science and freedom

Primary author: Prof. MURARO, Gilberto

Co-author: Prof. DEL NEGRO, Pietro (University of Padova)

Presenters: Prof. MURARO, Gilberto; Prof. DEL NEGRO, Pietro (University of Padova)

Contribution ID: 23

Type: **not specified**

From the laboratory bench to the management of research

Primary author: Prof. RIZZUTO, Rosario (University of Padova)

Presenter: Prof. RIZZUTO, Rosario (University of Padova)

Contribution ID: 25

Type: **not specified**

The end of genetics?

Thursday, 25 August 2016 10:00 (1 hour)

Primary author: Prof. DANIELI, Gian Antonio (University of Padova)

Presenter: Prof. DANIELI, Gian Antonio (University of Padova)

Session Classification: Biology, genetics and physiology

Contribution ID: 26

Type: **not specified**

Transcriptional landscape of the Genome

Thursday, 25 August 2016 11:00 (1 hour)

Primary author: Prof. LANFRANCHI, Gerolamo (University of Padova)

Presenter: Prof. LANFRANCHI, Gerolamo (University of Padova)

Session Classification: Biology, genetics and physiology

Contribution ID: 27

Type: **not specified**

Welcome by prof. Rosario Rizzuto, Rector of the University of Padova

Thursday, 25 August 2016 12:15 (15 minutes)

Presenter: Prof. RIZZUTO, Rosario (University of Padova)

Session Classification: Welcome to Italy

Contribution ID: 28

Type: **not specified**

Welcome by prof. Ernesto Carafoli, Director of the Summer School

Thursday, 25 August 2016 12:30 (15 minutes)

Presenter: Prof. CARAFOLI, Ernesto

Session Classification: Welcome to Italy

Contribution ID: 29

Type: **not specified**

Welcome by prof. Jiang MianHeng, President of ShanghaiTech

Thursday, 25 August 2016 12:45 (15 minutes)

Session Classification: Welcome to Italy

Contribution ID: **30**

Type: **not specified**

Comets: from ancient China to modern Astrophysics

Tuesday, 23 August 2016 09:00 (1h 15m)

Presenter: Prof. BARBIERI, Cesare (University of Padova)

Session Classification: Physics and Astronomy

Contribution ID: 31

Type: **not specified**

Comets in space: from Giotto to Rosetta

Tuesday, 23 August 2016 10:15 (1h 30m)

Presenter: Prof. BARBIERI, Cesare (University of Padova)

Session Classification: Physics and Astronomy

Contribution ID: 32

Type: **not specified**

Complexity: how to deal with it: Examples from plasmas in space and laboratory

Tuesday, 23 August 2016 14:00 (1h 15m)

Presenter: Prof. VANNI, Antonio

Session Classification: Physics and Astronomy

Contribution ID: 33

Type: **not specified**

Gamma-rays and gravitational waves: the last frontier of Astronomy

Tuesday, 23 August 2016 15:15 (1h 30m)

Presenter: Prof. GASPARRINI, Dario

Session Classification: Physics and Astronomy

Contribution ID: 34

Type: **not specified**

Statistical Physics: from starlings' flocks to eco-network

Wednesday, 24 August 2016 09:00 (1h 15m)

Presenter: Prof. SUWEIS, Samir

Session Classification: Physics and Astronomy

Contribution ID: 35

Type: **not specified**

Inflation and particle physics

Wednesday, 24 August 2016 10:30 (1h 30m)

Presenter: Prof. MARCIANO', Antonino

Session Classification: Physics and Astronomy

Contribution ID: 36

Type: **not specified**

The quest for Higgs' boson

Wednesday, 24 August 2016 14:00 (1 hour)

Presenter: Prof. LUCCHESI, Donatella

Session Classification: Physics and Astronomy

Contribution ID: 37

Type: **not specified**

From the Chinese Supernova of 1054 AD (Crab Nebula) to Dark Energy

Wednesday, 24 August 2016 15:00 (1 hour)

Presenter: Prof. TURATTO, Massimo (INAF)

Session Classification: Physics and Astronomy

Contribution ID: **38**

Type: **not specified**

Charles Kuen Kao and the invention of optical fibers

Wednesday, 24 August 2016 16:00 (1h 45m)

Presenter: Prof. SOMEDA, Carlo

Session Classification: Physics and Astronomy

Contribution ID: 39

Type: **not specified**

Cocaine: from dependence to addiction, from optogenetics to rTMS

Saturday, 27 August 2016 09:00 (1h 15m)

Presenter: Prof. GALLIMBERTI, Luigi

Session Classification: Biology, genetics and physiology

Contribution ID: 40

Type: **not specified**

Molecular control of cancer stemness and metastasis

Saturday, 27 August 2016 10:30 (1h 30m)

Presenter: Prof. PICCOLO, Stefano

Session Classification: Biology, genetics and physiology

Contribution ID: 41

Type: **not specified**

Host--pathogen interaction: the paradigmatic case of *Helicobacter pylori* and its role in gastroduodenal pathologies with particular reference to China

Saturday, 27 August 2016 14:00 (2 hours)

Presenter: Prof. MONTECUCCO, Cesare

Session Classification: Biology, genetics and physiology

Contribution ID: 42

Type: **not specified**

Host--pathogen interaction: the story of tetanus and its toxin

Saturday, 27 August 2016 16:15 (1h 15m)

Presenter: Prof. MONTECUCCO, Cesare

Session Classification: Biology, genetics and physiology

Contribution ID: 43

Type: **not specified**

Exploring cellular Calcium homeostasis with recombinant probes

Sunday, 28 August 2016 09:00 (1h 15m)

Presenter: Prof. CALI', Tito

Session Classification: Biology, genetics and physiology

Contribution ID: 44

Type: **not specified**

Engineering stem cell potential

Sunday, 28 August 2016 10:15 (1h 30m)

Presenter: Prof. ELVASSORE, Nicola

Session Classification: Biology, genetics and physiology

Contribution ID: 45

Type: **not specified**

Biochemistry and Biophysics of communication between cells

Monday, 29 August 2016 09:00 (3 hours)

Presenter: Prof. MAMMANO, Fabio

Session Classification: Biology, genetics and physiology

Contribution ID: 46

Type: **not specified**

Galileo: scientist, artist, writer and theologian

Monday, 29 August 2016 15:30 (1h 15m)

Presenter: Prof. BENVENUTI, Piero

Session Classification: Physics and Astronomy

Contribution ID: 47

Type: **not specified**

Origin and evolution of the universe: what the scientific method can and cannot say

Monday, 29 August 2016 14:00 (1h 30m)

Presenter: Prof. BENVENUTI, Piero

Session Classification: Physics and Astronomy

Contribution ID: 48

Type: **not specified**

On the evolution of humankind: the branching tree of the genus Homo

Tuesday, 30 August 2016 09:00 (2 hours)

Presenter: Prof. PIEVANI, Telmo (University of Padova)

Session Classification: Biology, genetics and physiology

Contribution ID: 49

Type: **not specified**

The evolutionary choice of cellular signals: why calcium?

Wednesday, 31 August 2016 09:00 (1h 15m)

Presenter: Prof. CARAFOLI, Ernesto (VIMM)

Session Classification: Biology, genetics and physiology

Contribution ID: 50

Type: **not specified**

Scientific frauds and errors: the dark side of Science

Wednesday, 31 August 2016 10:15 (1h 30m)

Presenter: Prof. CARAFOLI, Ernesto (VIMM)

Session Classification: Biology, genetics and physiology

Contribution ID: 51

Type: **not specified**

Visual perception and colour illusion

Wednesday, 31 August 2016 14:00 (3 hours)

Presenter: Prof. DA POS, Osvaldo

Session Classification: Biology, genetics and physiology

Contribution ID: 52

Type: **not specified**

Mechanisms and significance of apoptotic cell death

Friday, 2 September 2016 09:00 (1h 15m)

Presenter: Prof. SANDRI, Marco

Session Classification: Biology, genetics and physiology

Contribution ID: 53

Type: **not specified**

Autophagy: elimination of dysfunctional cell components

Friday, 2 September 2016 10:15 (1h 30m)

Presenter: Prof. SANDRI, Marco

Session Classification: Biology, genetics and physiology

Contribution ID: 54

Type: **not specified**

Optogenetics: a tool to investigate heart functions

Friday, 2 September 2016 14:00 (3 hours)

Presenter: Prof. MONGILLO, Marco

Session Classification: Biology, genetics and physiology

Contribution ID: 55

Type: **not specified**

Mirror cognition

Saturday, 3 September 2016 09:00 (1h 15m)

Presenter: Prof. BERTAMINI, Marco

Session Classification: Biology, genetics and physiology

Contribution ID: 56

Type: **not specified**

A life detector in the newborn brain

Saturday, 3 September 2016 10:15 (1h 30m)

Presenter: Prof. REGOLIN, Lucia

Session Classification: Biology, genetics and physiology

Contribution ID: 57

Type: **not specified**

From single cells and single columns to cortical networks

Presenter: Prof. BERT SAKMANN, Nobel Laureate

Contribution ID: 58

Type: **not specified**

Cook like an Italian mum: learn how to cook the Italian way. Students will learn how to cook typical Italian dishes -- final competition with jury to evaluate their work.

Sunday, 4 September 2016 10:15 (6h 45m)

Session Classification: Welcome to Italy

Contribution ID: 59

Type: **not specified**

Keeping mitochondria in shape, a matter of life and death

Sunday, 4 September 2016 08:30 (1h 30m)

Presenter: Prof. SCORRANO, Luca

Session Classification: Biology, genetics and physiology

Contribution ID: **60**

Type: **not specified**

The discovery of blood circulation at the University of Padova

Sunday, 4 September 2016 17:30 (1h 30m)

Presenter: Prof. THIENE, Gaetano

Session Classification: Biology, genetics and physiology

Contribution ID: **61**

Type: **not specified**

The University of Padova: a story of science and freedom

Monday, 5 September 2016 10:00 (1 hour)

Presenter: Prof. MURARO, DEL NEGRO

Session Classification: Art and General Culture

Contribution ID: 62

Type: **not specified**

From single cells and single columns to cortical networks

Friday, 2 September 2016 18:00 (1h 15m)

Presenter: Prof. SAKMANN, Bert

Session Classification: Biology, genetics and physiology

Contribution ID: 63

Type: **not specified**

Natural--Artificial: continuity or discontinuity?

Tuesday, 6 September 2016 10:15 (1 hour)

Presenter: Prof. LONGO, Giuseppe

Session Classification: Biology, genetics and physiology

Contribution ID: 64

Type: **not specified**

Body and Technology: continuity or discontinuity?

Tuesday, 6 September 2016 11:15 (1 hour)

Presenter: Prof. LONGO, Giuseppe

Session Classification: Biology, genetics and physiology

Contribution ID: 65

Type: **not specified**

Homo technologicus comes of age: an ongoing revolution

Tuesday, 6 September 2016 09:00 (1h 15m)

Presenter: Prof. LONGO, Giuseppe

Session Classification: Biology, genetics and physiology

Contribution ID: 66

Type: **not specified**

From the laboratory bench to the management of research

Tuesday, 6 September 2016 17:00 (1h 15m)

Presenter: Prof. RIZZUTO, Rosario

Session Classification: Biology, genetics and physiology