# Contents

List of Participants | pag. 10

Looking through the eyes of ancestors: concepts of the archaeoastronomical record  
*Stanislaw Iwaniszewski* | pag. 11

## Sardinia and Western Mediterranean

Solarists vs. Lunatics: modelling patterns in megalithic astronomy  
*César González, Lourdes Costa and Juan A. Belmonte* | pag. 23

When astronomical meaning goes beyond orientation and becomes architectural design  
*Mauro Peppino Zedda* | pag. 31

From Domus de Janas to Hawanat: on the orientations of rock carved tombs in the Western Mediterranean  
*Juan A. Belmonte and Mauro P. Zedda* | pag. 39

The orientation of the Punic tombs of Ibiza and Sardinia  
*Lourdes Costa, César González, Mauro P. Zedda and Juan A. Belmonte* | pag. 47

The stone circles of Li Muri: geometry, alignments and numbers  
*Marcello Ranieri* | pag. 58

Orientations of Corsica neolithic tomb  
*G. Thury-Bouvet, Jean-F. Santucci, El Hadi Khoumeri, Antoine Ottavi* | pag. 68

The agricultural calendar of the Celtic Boi  
*Silvia Cernuti and Luigi Mariani* | pag. 76

## Astronomy, Archaeology and Landscape

Landscape, archaeology and ethno-astronomy: a union foretold  
*Felipe Criado and Marco García Quintela* | pag. 87

Visual signatures in the Irish Neolithic landscape. A wider perspective of the Irish passage tombs  
*Frank Prendergast* | pag. 100

Astronomical alignments in the recently discovered archaeological sites of southern Campeche, Mexico: A preliminary report  
*Ivan Sprajc* | pag. 107

Sunshine in Bell Beakers’ houses in Hungary  
*Emilia Pasztor* | pag. 116
A multidisciplinary study applied to a Celtiberian site: preliminary results
G. Rodríguez, M. Luisa Cerdeño, Marta Folgueria, M. Carmen Hernández pag. 124

Application of standard astronomical software to the analysis of horizons around archaeological sites
Montserrat Delgado and César Esteban pag. 131

Dark-cloud constellations and the sacred landscape of Cusco in Inca times
Giulio Magli pag. 137

PATHOLOGICAL ARCHAEOSTRONOMY

The astronomical ceiling of Senenmut, a dream of mystery and imagination
Juan Antonio Belmonte and Mosalam Shaltout pag. 145

Le soleil nous porte ombrage
Arnold Lebeuf pag. 155

Book of the Dead or Book of Shadows? When esoteric approaches spoil Astro-Egyptology
Amanda-Alice Maravelia pag. 165

ASTRONOMY OF ANCIENT LITERATE CULTURES

The use of shadows and reflections to regulate the calendar in Minoan Crete
Mary Blomberg and Goran Henriksson pag. 177

Lights and shadows on the pyramids
Juan A. Belmonte and Mauro P. Zedda pag. 188

The cult of Artemis Orthia in Greece: a case of astronomical observations?
Efrosyni Boutsikas pag. 197

Measuring the heavens in Mesopotamia
John Steele pag. 206

Seshat: stretching the cord in ancient Egypt
Noemi Miranda, Miguel Angel Molinero and Juan A. Belmonte pag. 212

Highlighting new archaeoastronomical results from Greece
Ioannis Liritzis and H. Vassiliou pag. 220

COSMIC IMAGES: ROCK ART AND HUMAN THOUGHT

Cave and cosmos, a geotropic model of the world in ancient cultures
Michael Rappenglück pag. 241
Comets and meteors in rock art: a contribute to an inventory
*Fernando Augusto Coimbra*

Rock art, binary logic and archaeoastronomy
*Giorgio Dimitriades*

Lunar and solar connections at a rock art site in central Portugal
*Fernando Pimenta, Luis Tirapicos and Nuno Ribeiro*

The archaeological symbols M and W and the symbolic link with Cassiopeia constellation
*Enrico Calzolari and Davide Gori*

Lights and shadows in the culture of Central Asia people
*Leonid Marsadolov*

Orientations of 140 Swedish passage graves, a megalithic calendar
*Goran Henriksson*

The Italian Society of Archaeoastronomy (SIA) and a proposal for the discussion of the concept of time
*Elio Antonello*

**ETHNOASTRONOMY AND HISTORY OF ASTRONOMY**

Lighting up dark moon: ethnographic templates for testing paired alignments on the sun and the moon
*Lionel Sims*

The astronomical bureau during the Sung dynasty
*Francesco Polcaro*

A preliminary approach to popular astronomical nomenclature in some Latin languages
*Paola Capponi*

The name of the constellations in the Sardinian language
*Mauro Maxia*

On possible astronomical significance of Lithuanian autumn goat ceremony
*Jonas Vaïskunas*

Elements of Romanian folk mythical astronomy. The sky and stars of the Romanian peasants
*Florin Stanescu*

Cosmic Music
*Barbara Rappenglück*

Astronomy and Heritage
*Magda Stavinschi*