

# ClAV 2013

7º ATP | VerSus

16-20 Out. 2013

Vila Nova de Cerveira, PORTUGAL

Fórum Cultural de Cerveira



## International Conference

Vernacular Heritage & Earthen Architecture

Organisers:

escola  
superior  
gallaecia



ICOMOS - ClAV  
International Committee  
of Monumental Architecture  
International Council on  
Monuments and Sites



With the support of the  
Culture Programme of the European Union



Culture

# 16th October 2013 Wednesday

08h30

Registration and Poster delivery

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09h30 | Room 1 EN / PT

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**Prof. Arch. Mariana Correia**

President of ESG Board of Directors | Escola Superior Gallaecia, Portugal

**Arch. Gisle Jakhelln**

President of ICOMOS-CIAV | International Council on Monuments and Sites - International Scientific Committee for Vernacular Architecture

**Dr. Paula Amendoeira**

President of ICOMOS-Portugal

**Prof. Arch. Paula Silva**

Director of SSC - DRCN | Northern Portugal Regional Directorate for Culture

**Arch. Manuel Correia Fernandes**

Chairman of OA General Assembly | Order of the Architects

**Eng. José Carpinteira**

President of CM-VNC | Town Hall of Vila Nova de Cerveira

**Dr. Pedro Correia**

President of FCO | Foundation for the Safeguard and Rehabilitation of Architectural Heritage

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10h00 | Room 1 EN / PT

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'Built to Meet Needs': Paul Oliver and the study of architecture

**Keynote Speaker: Marcel Vellinga**

Oxford Brookes University, UK, ICOMOS-CIAV

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10h30 | Room 1 EN / PT

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Cultural Values of Earthen Architecture for Sustainable Development

**Keynote Speaker: Hubert Guillaud**

UNESCO CHAIR-Earthen Architecture & CRAterre, Ecole Nationale Supérieure d'Architecture de Grenoble, France, ICOMOS-ISCEAH

## Session 1 Cultural Heritage

EN / PT  
Room 1

## Theme 1: Cultural Heritage and Building Cultures

Moderator: **Marcel Vellinga**,

Oxford Brookes University &amp; ICOMOS-CIAV, United Kingdom

11h30

## Building on piles

**Miles Lewis**, University of Melbourne, ICOMOS-CIAV, Australia

11h45

## Continuity and change of Thai vernacular building tradition in Thailand

**Pratima Nimsamer**, Silpakorn University, Bangkok, Thailand**Nicholas Walliman**, Oxford Brookes University, United Kingdom

12h00

## Working and living: the fishermen and their settlements in Alagoas, Brazil

**Maria da Silva & Louise Cerqueira**, Federal University of Alagoas, Maceió, Brazil

12h15

## Carrasqueira: Fishing harbour on stilts | hut village in Portugal

**Filipe Jorge**, Editora Argumentum, Portugal**Patricia Bruno**, Archeological Center at the University of Lisbon, Portugal

12h30

## Vernacular Architecture in Cuba

**Daniel Taboada**, ICOMOS-CIAV, Cuba

12h45

## Propaganda, improvements and colonisation: the Estado Novo and the vernacular heritage

**Vitor Ribeiro & José Aguiar**, Faculty of Architecture, Technical University of Lisbon, Portugal**Miguel Reimão Costa**, University of Algarve, Portugal

13h00

Debate

## Session 2: Cultural Heritage

EN  
Room 2

## Theme 1: Cultural Heritage and Building Cultures

Moderator: **Hubert Guillaud**

CRATERRE-ENSAG, PROTERRA, ICOMOS-ISCEAH, France

11h30

## Givaer Island, on the arctic coast of Norway - a multifaceted economy surviving on heritage skills

**Gisle Jakhelln**, ICOMOS-Norway & ICOMOS-CIAV

11h45

## Historic daubed corner-timbered constructions in Czech Republic

**Zuzana Syrová & Jiri Syrový**, ICOMOS-ISCEAH & National Heritage Institut, Prague, Czech Republic

12h00

## Geographical cataloguing of earthen architecture in Soria, Spain

**Ignácio Gil Crespo**, Polytechnic University of Madrid, Spain

12h15

## An example of vernacular architecture in central Anatolia, Turkey: the mut houses

**Banu Çelebioğlu & Uzay Yergün**, Department of Preservation, Faculty of Architecture, Yıldız Technical University, Istanbul, Turkey

12h30

## The Sami Gohti an earthen house in the Arctic

**Randi Sjølie**, Department for the Management of the Sami Cultural Heritage, Sami Parliament of Norway

12h45

## Intangible values of building culture in vernacular architecture

**Özlem Karakul**, University of Selçuk, Faculty of Fine Arts, Konya, Turkey

13h00

Debate

## Session 3: Building Cultures

EN / PT  
Room 1

## Theme 1: Cultural Heritage and Building Cultures

Moderator: **Valeria Prieto**,  
ICOMOS-CIAV, Mexico

14h45

African-Brazilian architecture in Benin: rescue and re-evaluation of traditional techniques

**Alexandre Mascarenhas & Roch Kiki Gbénahou**,  
PROTERRA & Federal Institute of Minas Gerais, Brazil

15h00

"Sino-Portuguese": The significance of the definition of Shophouse in the Southern Peninsula, Thailand

**Nathatai Chansen**, ICOMOS-CIAV, Thailand

15h15

Minka - Japanese immigrants houses in Ribeira Valley, São Paulo, Brazil

**Akemi Hijioka, Bianca Joaquim & Akemi Ino**,  
Institut of Architecture & Urban Design, University of São Paulo, Brazil

15h30

Researching the traditional building culture of Costa da Lagoa, Santa Catarina, Brazil

**Maria Isabel Kanan**, ICOMOS-ISCEAH, PROTERRA, Brazil

15h45

(Re)Using adobe. From survey to conservation; from restoration to new reconstruction

**Victor Mestre**, University of Coimbra, Portugal  
**Sofia Aleixo**, University of Évora, Portugal

16h00

Adobe architecture in Portugal: differences and analogies between vernacular and 'designed' architecture

**Maria Fernandes**, ICOMOS-ISCEAH, PROTERRA, CEUAUCP, Portugal

16h15

Debate

## Session 4: Conservation

EN  
Room 2

## Theme 1: Cultural Heritage and Building Cultures

Moderator: **Gisle Jakhelln**,  
ICOMOS-CIAV, Norway

14h45

Evaluation of planning systems in earthen heritage conservation

**Nicholas Walliman**, Oxford Brookes University, U.K.  
**Mariana Correia**, PROTERRA, ISCEAH, CIAV, FCO, FAFB,  
Escola Superior Gallaecia, Portugal

15h00

Cultural Heritage management and ownership regime in the Island of Mozambique

**Ana Tarrafa, Rob Derks & Ana Roders**, University  
of Technology, Eindhoven, The Netherlands  
**J. Hougaard**, University of Lúrio, Nampula, Mozambique

15h15

Restoring rural houses in Estonia

**Joosep Metslang**, Centre of Rural Architecture, Estonia  
Open-Air Museum, Estonia

15h30

Conservation of architectural heritage in Saudi Arabia: the case study of Jawatha Mosque

**Mohammad Sharif Zami**, King Fahd University Petroleum  
& Minerals, Saudi Arabia

15h45

Conservation problems and recommendations on architectural heritage of Hanönü, Turkey

**Koray Güler & Zeynep Keçici**, Mimar Sinan Fine Arts University  
Faculty of Architecture Department of Restoration, Istanbul, Turkey  
**A. Acaralioğlu & Yagmur Saluk**, Istanbul Technical  
University Faculty of Architecture Master Programme of  
Restoration, Istanbul, Turkey

16h00

Manuals for the recovery of historical centers of Sardinia, Italy

**Silvia Carrucciu**, University of Cagliari, Sardinia, Italy Debate

16h15

Debate

**Session 5: Traditional & Contemporary** EN / PT  
 Room 1

**Theme 1: Cultural Heritage and Building Cultures**

 Moderator: **Maria Fernandes**

CEAUCP, PROTERRA &amp; ICOMOS-ISCEAH, Portugal

17h00

Contribution to the knowledge of rammed earth houses in Vidigueira, Portugal

**Norberto Fialho**, Independent researcher, Portugal

17h15

Rural rammed earth houses in Baixo Alentejo, Portugal: ruin or heritage?

**Catarina Pereira**, Association Centro da Terra & FCT - Nova University of Lisbon, Portugal

17h30

Mértola, museology and earthen architecture in Portugal

**Rolando Melo da Rosa**, Institute João Tomás Nunes, Fermentelos, Portugal

17h45

Vernacular technology in Brazil: transformation and preservation

**Marco Rezende, J. Leite & F. Cardoso**, PROTERRA & University of Minas Gerais, Brazil

18h00

Traditional and contemporary construction cultures: a comparison between building processes

**Thiago Lopes Ferreira**, Ecole National Supérieur d'Architecture de Grenoble, France and Institute of Architecture and Urbanism of the University of São Paulo, Brazil

18h15

Contemporary earthen architecture in the south west of Portugal, meanings of a heritage

**Susana T. Sequeira**, Department of Architecture and Urbanism, ISCTE-IUL, University Institute of Lisbon, Portugal

18h30

Debate

19h00 | Room 1, EN / PT

Award for Best Papers &amp; Poster

19h15

Verde de Honra (a toast with regional wine) offered by the Town Hall of V. N. Cerveira

**Session 6: Old & New** EN  
 Room 2

**Theme 1: Cultural Heritage and Building Cultures**

 Moderator: **Nicholas Walliman**

Oxford Brookes University, United Kingdom

17h00

Contemporary vernacular as a diffusion of an innovation process

**Jamal A. Al-Qawasmí**, King Fahd University of Petroleum & Minerals, Dhahran, Saudi Arabia

17h15

Changing trade - the Modernist Vernacular as idiom in South Africa

**Debbie Whelan**, Department of Architecture, Durban University of Technology, South Africa

17h30

The city vernacular in South Africa

**Zack Wessels & Gerhard Bosman**, Earth Unit, Department of Architecture, University Free State, South Africa

17h45

Küreken 2013: designing a new village with rammed earthen construction in Eastern Anatolia, Turkey

**Burhan Çiçek**, ITÜ Foundation- Earthen Constructions Working Team, Istanbul, Turkey

18h00

Harmonic Diachrony: current use of traditional techniques in rehabilitation projects

**Mónica Alcindor**, Escola Superior Gallaecia, Portugal  
**Oriol Roselló**, CAT'S, UdG - Escola Politècnica Superior, Girona, Spain

18h15

Two contests for the design of model, vernacular houses for health resort at Łądek Zdrój, Poland

**Elzbieta Trocka-Leszczynska & Agnieszka Tomaszewicz**, Wroclaw University of Technology, Poland

18h30

Debate

# 17th

# October 2013 Thursday

## Session 7: Materials

EN / PT  
Room 1

### Theme 2: Materials & Constructive Techniques

Moderator: **Zuzana Syrová**,

ICOMOS-ISCEAH, National Heritage Institut, Czech Republic

09h30

Recycling of bricks in rammed earth walls

**Camilla Mileto, Valentina Cristini, Fernando Vegas López-Manzanares & Jose Ruiz Checa**,

Heritage Restoration Institute (IRP), Universitat Politècnica de València, Valencia, Spain

09h45

Timber roof structures of centenary earthen buildings. Case studies

**Anibal Costa & Humberto Varum**, Depart. of Civil Engineering, University of Aveiro, Portugal

**Alice Tavares**, Faculty of Engineering of the University of Porto, Portugal

10h00

Lime and colour technologies in the vernacular architecture of the Algarve, Portugal

**Marta Santos, J. Pernão & José Aguiar**, Faculty of Architecture, Technical University Lisbon, Portugal

**Miguel Reimão Costa**, Faculty of Sciences and Technology, University of Algarve, Portugal

10h15

Strategies to improve earth building durability

**Rute Eires & Aires Camões**, Department of Civil Engineering, University of Minho, Portugal

**Maria Ponte**, Department of Architecture, Faculty of Sciences and Technology, University of Coimbra, Portugal

10h30

The importance of knowledge on the vernacular heritage preservation

**Anibal Costa, Dora Silveira, Alice Tavares, Humberto Varum, Celeste Almeida & António Arede**, Department of Civil Engineering of the University of Aveiro, Portugal

10h45

Debate

## Session 8: Mortars

EN  
Room 2

### Theme 2: Materials & Constructive Techniques

Moderator: **Gerhard Bosman**,

University of Free State, South Africa

09h30

Adequacy of mortars for adobe building renders

**Ana Velosa**, University of Aveiro, Civil Engineering Department and GEOBIOTEC, Portugal

**Humberto Varum**, University of Aveiro, Civil Engineering Department, Portugal

09h45

Use of plasters containing straw in vernacular architecture

**Mateja Golež & A. Mauko**, Slovenian National Building and Civil Engineering Institute, Ljubljana, Slovenia

10h00

Evaluation of air lime and clayish earth mortars for earthen wall renders

**Paulina Faria, Vitor Silva, Naila Jamú & Inês Dias**, FCT, Dep. Civil Engineering, Nova University of Lisbon, Portugal

**Maria Idália Gomes**, ISEL, Department of Civil Engineering, Polytechnic Institute of Lisbon, Portugal

10h15

Cattail - reinforced clay plasters in building heritage preservation and new construction

**Georgi Georgiev, W. Theuerkorn, M. Krus & R. Kilian**, Fraunhofer-Institute for Building Physics IBP Holzkirchen, Stuttgart, Germany

10h30

Gypsum as reinforcement for floors: conceptual approach

**Fernando Vegas López-Manzanares, Camilla Mileto, Valentina Cristini & José Ruiz Checa**, Heritage Restoration Institute (IRP), Universitat Politècnica de València, Valencia, Spain

10h45

Debate

**Session 9: Constructive Techniques**

 EN / PT  
 Room 1

**Theme 2: Materials & Constructive Techniques**

 Moderator: **Mohammad Zami**,  
 King Fahd University, Saudi Arabia

11h30

Architectural heritage of the north eastern Portugal: History, construction and valorisation  
**Lurdes Martins, Graça Vasconcelos & Paulo B. Lourenço**, University of Minho, Portugal

11h45

An example of vernacular architecture: traditional houses of Adana, Turkey

**Nur Umar**, Restoration Department, Institute of Science, Yıldız Technical University, Istanbul, Turkey

**C. Karbeyaz**, Restoration Department, Institute of Science, Yıldız Technical University, Turkey

**O. O. Polat**, Structural Engineering Dep., Institute of Science, Istanbul Technical University, Turkey

12h00

Architectural morphology and construction techniques of traditional Yoran houses, Turkey

**Uzay Yergün, Ceylan Gençer, Banu Çelebioğlu & Aynur Çiftçi**, Yıldız Technical University, Faculty of Architecture, Istanbul, Turkey

12h15

Typological research on traditional community house of the Katu ethnic minority in Vietnam

**Hirohide Kobayashi & Truong Phuong**, Graduate School of Global Environmental Studies, Kyoto University, Kyoto, Japan

**T. N. Nguyen**, College of Sciences, Hue University, Hue, Vietnam

12h30

The vernacular house between the Cávado and the Ave, Portugal

**Carlos Barroso, Daniel Oliveira, Luis Ramos & Paulo B. Lourenço**, IISSE, University of Minho, Guimarães, Portugal

12h45

Body-based units of measurement for building Katu community houses in Central Vietnam

**Hirohide Kobayashi**, Graduate School of Global Environmental Studies, Kyoto University, Japan

**T. N. Nguyen**, Hue College of Science, Hue University, Hue, Vietnam

13h00

Rammed earth walls in the late middle age castles in the actual province of Soria, Spain

**Ignácio Gil Crespo**, Polytechnic University of Madrid, Spain

13h15

Debate

**Session 10: Constructive Techniques**

 EN  
 Room 2

**Theme 2: Materials & Constructive Techniques**

 Moderator: **Saverio Mecca**,  
 UNIFI & ICOMOS-ISCEAH, Italy

11h30

A Preliminary Study on the Construction Systems of House Types in East Timor.

**Yao-Ru Chen & C. P. Pan**, Department of Architecture, Cheng Shiu University, Kaohsiung, Taiwan

**Y. L. Lim & M. Y. Ng**, Department of Architecture, University Teknologi Malaysia, Skudai, Malaysia

**Wan-Wen Huang**, Department of Art and Design, Yuan Ze University, Chung-Li, Taiwan

11h45

A report of turf ridge (shibamune) in Japanese thatched folk houses

**Satoshi Ono**, Yokohama National University, Yokohama, Japan

**Yukimasa Yamada**, Tokyo Metropolitan University Tokyo, Japan

12h00

Construction Techniques of the Vernacular Architecture of the Eastern Black Sea Region

**Koray Güler**, Mimar Sinan Fine Arts University Faculty of Architecture Department of Restoration, Turkey

**Ayşe Bilge**, Istanbul Technical University Faculty of Architecture Department of Restoration, Turkey

12h15

Cob in Spain

**Camilla Mileto, Fernando Vegas**

**López-Manzanares, Valentina Cristini & Lidia Soriano**, Heritage Restoration Institute (IRP), Universitat Politècnica de València, Valencia, Spain

12h30

Traditional materials and construction techniques in the rural settlement Baspınar, Turkey

**Aynur Çiftçi & M. Efeoğlu**, Yıldız Technical University, Faculty of Architecture, Istanbul, Turkey

12h45

Living with Bamboo and plant leaves: Thailand's last community of traditional bamboo huts

**Vacharee Vacharasin**, Department of Architecture & Planning, Faculty of Architecture, King Mongkut's Institute of Technology Ladkrabang, Bangkok, Thailand

13h00

Stone Construction in Corbelling

**Borut Juvanec**, Ljubljana University, Faculty of Architecture, Ljubljana, Slovenia

13h15

Debate

## Session 11: Heritage on the territory

EN / PT  
Room 1

## Theme 3: Territory and Environmental Adaptation

Moderator: **Fernando Vegas**,

Universitat Politècnica de Valencia, Spain

15h00

Watermills and traditional landscape in the hills of the Algarve, Portugal

**Marco Barão, T. Valente & Miguel Reimão Costa**, University of Algarve, Portugal

15h15

Watermills and weirs from the Ave River: an inter-municipal heritage value in Portugal

**Bruno Matos**, Research Center of Architecture & Urban Design at FAUP, Portugal

15h30

The Pesqueiras of Minho River - a vernacular heritage to preserve

**Fernanda Pacheco, Armando Fernandes, Xavier Ollero & Carlos Antunes**, Escola Superior Gallaecia, Vila Nova de Cerveira, Portugal

15h45

Apiary-walls and pitfall-traps in Portugal: archaic constructions for wild animals

**João Caninas & Francisco Henriques**, AEAT, Associação de Estudos do Alto Tejo, Portugal**Francisco Álvares**, Research Center for Biodiversity and Genetic Resources, University of Porto, Portugal

16h00

Brandas and Inverneiras of Castro Laboreiro, Portugal: A settlement model in a high mountain territory

**Goreti Sousa & Rui Correia**, Escola Superior Gallaecia, Vila Nova de Cerveira, Portugal

16h15

Vernacular settlements in Serra da Peneda, Portugal: the case of Rouças and Gavieira

**Filipa Gomes**, Escola Superior Gallaecia, Vila Nova de Cerveira, Portugal

16h30

Architecture(s) in Serra da Peneda, Portugal: an approach to settlements on the territory

**Fernando C. Barros**, Independent researcher, Portugal

16h45

Debate

## Session 12: Landscape

EN  
Room 2

## Theme 3: Territory and Environmental Adaptation

Moderator: **Isabel Kanan**,

PROTERRA &amp; ICOMOS-ISCEAH, Brazil

15h00

Dry stone buildings in Sicily. An environmental and territorial resource

**Letizia Dipasquale**, University of Florence, INN-LINKS Research Center, Italy**V. Megna & R. Prescia**, University of Palermo, Department of Architecture, Italy

15h15

Underground dwellings in the Tajuña valley, Madrid, Spain and their bioclimatic adaptation

**Ignacio J. Gil Crespo, M. Barbero Barrera, L. Maldonado Ramos & de J. Cárdenas y Chávarri**, Universidad Politécnica de Madrid, Spain

15h30

Bioclimatic comparative analysis in vernacular architecture: two Sardinia examples

**Leonardo Cannas & G. Desogus**, DICAAR, University of Cagliari, Cagliari, Italy

15h45

Archaeological and vernacular heritage coexistence in rural areas: Didyma, Turkey

**Ebru Harman Aslan & Omay Polat**, Yıldız Technical University, Istanbul, Turkey**B. Can Çetin**, Istanbul Technical University, Turkey

16h00

Relating religious and vernacular architecture: Convent of Santo António, a case study in Portugal

**Ana Rodrigues**, Municipality of Loulé, Portugal**Ana Roders**, Technical University of Eindhoven, Eindhoven, Netherlands

16h15

Good practices for the conservation of urban settlements, vernacular architecture and surrounding landscapes

**Ran Eppich & J.C. Espada**, Fundación Tecnalia Research & Innovation, Bizkaia, Spain**Claudia Cruz**, Direção Regional de Cultura do Norte - DSBC, Porto, Portugal**A. Kulmer**, Landentwicklung Steiermark, Austria

16h30

The effects of socio - economic change on vernacular architecture

**Burcu Büken Cantimur**, Mimar Sinan Fine Arts University, Fac. of Architecture, Istanbul, Turkey

16h45

Debate



**Session 13: Urban Design**EN / PT  
Room 1**Theme 3: Territory and Environmental Adaptation**Moderator: **David Viana**,

Escola Superior Gallaecia, Portugal

17h30

Cacela revisited: a brief study of the architecture and landscape of Algarve, Portugal

**Miguel Reimão Costa & D. Batista**, University of Algarve, Portugal

17h45

Urban heritage in Setúbal's domestic architecture, Portugal

**Isabel Sousa Macedo**, Faculty of Architecture, Technical University of Lisbon, Portugal

18h00

Vernacular architecture within the Urban Master Plan of Maia, Portugal

**André T. Ribeiro, L. F. Loureiro, L. Lousan, R. T. Menezes & S. Aveiro**, Municipality of Maia / Câmara Municipal da Maia, Portugal

18h15

Common cultural heritage in two Ottoman ports: Smyrna and Salonica

**Ceylan Irem Gençer**, Yıldız Technical University, Faculty of Architecture, Istanbul, Turkey

18h30

Debate

20h15

Conference Dinner / Jantar da Conferência "Brazeirão do Minho"

**Session 14: Local Adaptation**EN  
Room 2**Theme 3: Territory and Environmental Adaptation**Moderator: **Maria Ines Subercaseaux**,

ICOMOS-ClAV, Canada

17h30

The unrecognized bedouin villages - internal spatial order as a basis for development

**Yaara Manor-Rosner, Y. Rofé & S. Abu-Rabia-Queder**, Bona Terra Department of Man in the Desert, J. Blaustein Institutes for Desert Research, Ben-Gurion University of the Negev, Israel

17h45

From universal to local: challenges of safeguarding the vernacular architecture in Turkey

**Tayyibe Gül Köksal**, Faculty of Architecture and Design, Kocaeli University, Izmit, Turkey

**Deniz İkiz**, Faculty of Technology, Design and Environment, Oxford Brookes University, UK

**Burcun S. Coşkun**, Faculty of Architecture, Mimar Sinan Fine Arts University, Istanbul, Turkey

18h00

The patio house in Morocco: a sustainable design strategy

**Letizia Dipasquale, Saverio Mecca & Berenice Aguilar**, University of Florence, INN-LINKS Research Centre, Florence, Italy

18h15

Saving Cumalıkızık for the future: cultural heritage in Turkey

**A. Zeynep Ahunbay**, Istanbul Technical University, Faculty of Architecture, Turkey Tarik

**Tarik Ayrancılar & Assuman Polat**, Yıldırım Municipality, Bursa, Turkey

**Aykut Uray**, Mersan Construction, Bursa, Turkey

18h30

Debate

# 18th October 2013 Friday

09h30 | Room 1\_EN / PT

WHEAP Programme: World Heritage Earthen Architecture Programme

Speaker: **John Hurd**

President of ICOMOS-ISCEAH

## Session 15: Energy Efficiency

EN / PT  
Room 1

### Theme 4: Energy Efficiency & Sustainable Design

Moderator: **Camilla Mileto**

Universitat Politècnica de Valencia, Spain

09h45

Sustainability of vernacular houses in the inner towns of Muğla, Turkey: Architectural typology and its transformation

**Oncu Basoglan Avsar**, Department of Architecture, Pamukkale University, Denizli Turkey

**E. Akyuz Levi**, Department of Architecture, Dokuz Eylul University, Izmir, Turkey

10h00

The microclimatic design of Southern Sardinian loggias in Italy

**Maddalena Achenza, G. Chiri & I. Giovagnorio**, DICAAR, University of Cagliari, Sardinia, Italy

10h15

Assessing energetic self-sufficiency and low environmental impact in Pontes, Portugal

**André Coelho, Inês Cabral & G. Machado**, ECP, Castro Laboreiro, Portugal and Ecoperfil, Lisbon, Portugal

10h30

Energy efficient design strategies for contemporary vernacular buildings in Egypt

**Marwa Dabaieh**, MISR International University Egypt

10h45

Vernacular principles towards eco-efficiency: a case study in Santiago do Cacém, Portugal

**Marta Sampaio**, University of Lusitania in Porto, Portugal  
**Bruno Marques**, CEaup - African Research Centre at the University of Porto, Portugal

11h00

Debate

## Session 16: Risk Mitigation

EN  
Room 2

### Theme 5: Natural Hazards & Risk Mitigation

Moderator: **Rawiwan Oranratmanee**

ICOMOS-CIAV, Thailand

09h45

Learning from vernacular building practices: a starting point for risk mitigation

**Annalisa Caimi**, CRATERre, Ecole Nationale Supérieure d'Architecture de Grenoble, France

**Milo Hofmann**, Archives of Modern Building, Ecole Polytechnique Fédérale de Lausanne, Switzerland

10h00

A vernacular architectonic tradition hidden behind facades: conception's case in Chile

**Hugo Capellà Miterrique**, Faculty of Architecture, Urbanism & Geography, University of Concepción, Chile

10h15

Vernacular heritage seismic risk management. Ongoing educational project

**Julio Vargas Neumann, S. Rodríguez-Larraín, T. Montoya Robles & S. Onnis**, Centro Tierra, Pontificia Universidad Católica del Perú, Lima, Peru

10h30

Experimental investigation on the repair of rammed earth by means of injection of mud grouts

**Rui A. Silva, Daniel V. Oliveira & Paulo B. Lourenço**, ISE, University of Minho, Guimarães, Portugal  
**L. Schueremans**, Department of Civil Engineering, KULeuven, Heverlee, Belgium

**T. Miranda**, C-TAC, University of Minho, Guimarães, Portugal

10h45

Contemporary installations with Timber from disaster reconstructions

**Maria Bostenaru Dan**, "Ion Mincu" University of Architecture and Urbanism, Bucharest, Romania  
**D. Mendes**, ISCTE-IUL, Lisbon, Portugal

11h00

Debate

## Session 17: Risk Mitigation

EN / PT  
Room 1

## Theme 5: Natural Hazards &amp; Risk Mitigation

Moderator: **Julio Vargas**

PUCP, PROTERRA, ICOMOS-ISCEAH, Peru

11h45

Seismic-V: Vernacular Seismic Culture in Portugal  
**Mariana Correia, Gilberto Carlos & Sandra Rocha**,  
Escola Superior Gallaecia, Portugal

**Paulo B. Lourenço & Graça Vasconcelos**, University  
of Minho, Portugal

**Humberto Varum**, University of Aveiro, Portugal

12h00

The History of New Zealand Housing and the  
Performance of Different Styles in the 2011  
Christchurch Earthquakes

**Hugh Morris & Margareth Worth**, Department of  
Civil and Environmental Engineering, The University of  
Auckland, New Zealand

12h15

Japanese Dozo-structured buildings damaged by  
the 2011 Tohoku's Earthquake

**Yukimasa Yamada**, Tokyo Metropolitan University, Tokyo, Japan

**Satoshi Ono**, Yokohama National University, Yokohama, Japan

**B. S. Hirata**, Tokyo Metropolitan Government Office, Tokyo, Japan

12h30

Vulnerability assessment of churches under  
earthquake hazard

**Esmeralda Paupério**, Construction Institute, Faculty of  
Engineering, University of Porto, Portugal

**Xavier Romão & A. Arêde**, Faculty of Engineering,  
University of Porto, Portugal

**Anibal Costa**, University of Aveiro, Portugal

12h45

Debate

13h15 | Room 1 EN / PT

Presentation of the 'Iberian Award for Vernacular Architecture Research' /

Apresentação do 'Prémio Ibérico de Investigação da Arquitectura Tradicional'

## Session 18: Sustainable design

EN  
Room 2

## Theme 4: Energy Efficiency &amp; Sustainable Design

Moderator: **Maddalena Achenza**

UNICA, ICOMOS-ISCEAH, Italy

11h45

The contribute of using vernacular materials and  
techniques for sustainable design

**Jorge Fernandes, R. Mateus & Luis Bragança**,  
C-TAC Research Centre, University of Minho, Portugal

12h00

Evaluation of sustainable design elements in the  
historic Centre of Nicosia, Cyprus

**Stavroula Thravalou, M. Philokyprou, A.**

**Michael & I. Ioannou**, School of Engineering, University  
of Cyprus, Nicosia, Cyprus

12h15

Local potentials for a sustainable heritage  
management

**Ana-Maria Labo & D. F. Paraschiv**, University of  
Architecture and Urbanism, Bucharest, Romania

12h30

Added value by benchmarking: comparing  
existing buildings to demonstrate their potential

**Nelson Silva Brito & M. Gameiro da Silva**, University  
of Coimbra, Portugal

12h45

Study for the rehabilitation of vernacular  
architecture with sustainable criteria

**Inês Costa Carrapiço & J. Neila González**,

Technical Higher Education School of Architecture, Polytechnic  
University of Madrid, Spain

13h00

Debate

**Session 19: Dissemination & Communication** EN/PT  
Room 1

**Theme 6: Education & New Research**

Moderator: **Goreti Sousa**,  
Escola Superior Gallaecia, Portugal

15h00

Reading vernacular heritage: the case of Sino-French joint workshop of Liang Cun, China  
**Shao Yong**, College of Architecture and Urban Planning, Tongji University, Shanghai, China

15h15

Workshop for theoretical and practical conservation of vernacular architecture in Greece  
**Nikolaos Lianos**, Faculty of Architecture, Democritus University of Thrace, Xanthi, Greece

15h30

Earthen architecture, culture of transition and self-construction  
**Paulo Costa**, Atelier PEEL living projects, Porto, Portugal

15h45

Contribution of the audio-visual Heritage for the dissemination of the vernacular architecture  
**José Cardoso Marques**, Centro de Estudos Interdisciplinares do Século XX - University of Coimbra, Coimbra, Portugal

16h00

Which are the keys for earth building reintroduction in Spanish building system?  
**Angels Castellarnau Visús**, PERIFERIA, Arquitectura y sostenibilidad scp, Huesca, Spain.

16h15

Debate

**Session 20: Education** EN  
Room 2

**Theme 6: Education & New Research**

Moderator: **José Vicente**,  
Escola Superior Gallaecia, Portugal

15h00

The DSA-earthen architecture: a tool to convey the lessons of vernacular architecture  
**Bako Rakotomamonjy, Sébastien Moriset, David Gandreau & Hubert Guillaud**, CRATerre-Ecole Nationale Supérieure d'Architecture de Grenoble, France

15h15

Five years working with the youth: Re-evaluation of earthen heritage in the Western Himalayas  
**Martina Oeter & Alexandra Skedzuhn-Safir**, NGO Achi Association, Zurich, Switzerland

15h30

Addressing Southeast Asian vernacular architecture studies in the changing environment  
**Raiwiwan Oranratmanee**, Faculty of Architecture, Chiang Mai University, Thailand

15h45

Exposing architecture students to vernacular concepts  
**Jan Nel & Gerhard Bosman**, Earth Unit, Department of Architecture, University Free State, Bloemfontein, South Africa

16h00

Research in vernacular architecture in Mexico  
**Gerardo Torres Zárate**, National Polytechnic Institute - Escuela Superior de Ingeniería y Arquitectura Tecamachalco, Mexico

16h15

Debate

## Session 21: New Research Focus

EN / PT  
Room 1

## Theme 3: Territory and Environmental Adaptation

Moderator: **Hossam Mahdy**,

ICOMOS-CIAV, United Arab Emirates

17h00

Digital tectonic: Rethinking building with earth in architecture

**Alexandra Paio, B. Varela & V. Rato**, Vitruvius FabLab-IUL, University Institute of Lisbon, Portugal

17h15

Managing data on construction techniques and damage using digital media

**Xavier Romão**, Faculdade de Engenharia da Universidade do Porto, Portugal**Esmeralda Paupério**, Instituto da Construção, Faculdade de Engenharia da Universidade do Porto, Portugal**Anibal Costa**, Universidade de Aveiro, Portugal

17h30

Austronesian houses analyses trough the WDRS-Database

**Wan-Wen Huang**, Department of Art and Design, Yuan Ze University, Chung-Li, Taiwan**A. Fujii**, College of Architecture & Environment, Sichuan University, China**M. H. Wang**, Department of Architecture, National Cheng Kung University, Tainan, Taiwan**Yao-Ru Chen**, Department of Architecture, Cheng Shiu University, Kaohsiung, Taiwan

17h45

Three-dimensional reconstitution of an ex-place: The submerged Vilarinho da Furna

**Luis Mateus, David Carvalho & V. M. Ferreira**, CIAUD - Faculty of Architecture - Technical University of Lisboa, Portugal

18h00

VerSus: Vernacular Heritage contribution to Sustainable Architecture

**Mariana Correia, Gilberto Carlos, Jacob****Merten, David Viana & Sandra Rocha**,

Escola Superior Gallaecia, Vila Nova de Cerveira, Portugal

18h15

Debate

18h30 | Room 1\_EN / PT

ICOMOS-CIAV | International Scientific Committee on Vernacular Architecture

**Speaker: Giselle Jakhelln**, President of ICOMOS-CIAV

18h45 | Room 1\_EN / PT

ICOMOS-ISCEAH | International Scientific Committee on Earthen Architecture

**Speaker: John Hurd**, President of ICOMOS-ISCEAH

19h00 | Room 1\_EN / PT

Final Debate &amp; Recommendations

19h30 | Room 1\_EN / PT

Closure

## Session 22: New Research Focus

EN  
Room 2

## Theme 3: Territory and Environmental Adaptation

Moderator: **Miles Lewis**,

University of Melbourne, ICOMOS-CIAV, Australia

17h00

Preserving vernacular architecture through community intervention and volunteer programmes

**Juan Diego Badillo**, Ministry of Culture and Heritage, Quito, Equator

17h15

Vernacular living as a model for innovation and sustainability: The wood furniture of Minho region

**Daniela Alves, Luis Pacheco, José Vicente & Goreti Sousa**, Escola Superior Gallaecia, Portugal

17h30

Using old farm buildings for transmitting vernacular traditions in Ireland

**Anna Meenan & Cohn Murray**, The Heritage Council, Kilkenny, Ireland

17h45

Social and human aspects in the use of vernacular knowledge

**Natalia Rey Cuellar**, Paul Oliver Vernacular Architecture Library, Oxford Brookes University, Oxford, United Kingdom

18h00

Debate

# 19th October 2013 Saturday

## Programme 1: Earthen architecture workshop ([www.centrodaterra.org](http://www.centrodaterra.org))

**Organisation:** Association Centro da Terra (CdT)

**Location:** Next to the Cinema theatre, in Vila Nova de Cerveira.

**Time period:** 09h00-18h00, in Vila Nova de Cerveira.

**Target public:** All the public.

**Requirements:** Registration fee (90€ and 70€);

**Registration:** [info@centrodaterra.org](mailto:info@centrodaterra.org)

**General programme:** <http://ciav2013workshops.blogspot.pt/>

Three workshops are organised (participants are required to register previously):

. Earthen plasters (rebocos de terra)

. To build with rammed earth (construir com taipa)

. To build with Strawbales (construir com fardos de palha)

## Programme 2: ICOMOS-CIAV annual meeting & ICOMOS-ISCEAH annual meeting.

**Organisation:** Escola Superior Gallaecia & Viana do Castelo Municipality.

**Meeting point:** At 8h45, at Escola Superior Gallaecia, near the Forum Cultural de Cerveira.  
Departure at 9h00, to Viana do Castelo.

**Time period:** 08h45-18h00, full day in Viana do Castelo and surroundings.

**Target public:** ICOMOS International Committee members of CIAV and ISCEAH.

**Requirements:** Free of charge

**Schedule:**

09h00 | ICOMOS members travel by bus from Vila Nova de Cerveira to Viana do Castelo

09h30 | ICOMOS-CIAV meeting at the Library of Viana (ISCEAH members are observers)

11h30 | ICOMOS-ISCEAH meeting at the Library of Viana (CIAV members are observers)

13h00 | Free Lunch

15h00 | To visit the Viana do Castelo historical centre and its surroundings.

18h00 | Travel back to Vila Nova de Cerveira.

20h00 | Free Dinner

## Programme 3: VerSus Scientific Workshop ([www.esg.pt/versus](http://www.esg.pt/versus))

**Organisation:** Versus partners (ESG + UPV + UNICA + UNIFI + CRATerre)

**Time period:** 09h00-13h00, in Vila Nova de Cerveira.

**Location:** At Escola Superior Gallaecia, in Vila Nova de Cerveira.

**Target public:** PhD and Master students.

**Details and Contacts:** [versus@esg.pt](mailto:versus@esg.pt)

**Requirements:** Free of charge, but registration is compulsory (no places available anymore).

## Programme 4: Cultural Tours Programme (Optional)

**Organisation:** Bliss Tours - Your Choice Our Way -Cultural Private Tours | Guiding and Driving small groups

**Details and Contacts:** [www.blisstours.pt](http://www.blisstours.pt) | [info@blisstours.pt](mailto:info@blisstours.pt) | [reservas@blisstours.pt](mailto:reservas@blisstours.pt) | 00351.933.927.309

## Programme 5: Cultural and Sportive Programme (Optional)

**Organisation:** Animaminho - Live the Adventure

**Details and Contacts:** [www.animaminho.eu](http://www.animaminho.eu) | [info@animaminho.eu](mailto:info@animaminho.eu) | 00351.962.892.606

# 20th October 2013 Sunday

Meeting Point: Escola Superior Gallaecia

## Visit - Lindoso & Soajo

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- 08h00 - Departure from Vila Nova de Cerveira
  - . Visit to vernacular heritage in stone masonry:
  - . 'Espigueiros' (stone granaries) in Soajo and Lindoso
  - . 'Branda' (isolated mountain village) at the National Park of Peneda-Gerês
- 10h00 - Arrival to Lindoso
  - Visita à aldeia do Lindoso
- 10h15 - Visit to the Lindoso village / Visit to the espigueiros (stone granaries)
- 11h15 - Departure from Lindoso
- 12h00 - Arrival to Soajo
- 12h10 - Visit to the Soajo village / Visit to the espigueiros (stone granaries)
- 12h45 - Lunch in Soajo
- 14h00 - Departure from Soajo
- 14h15 - Arrival to miradouro de Tibo
  - Observation of the Branda de Tibo and Gavieira
- 16h15 - Departure to Vila Nova de Cerveira
- 18h30 - Arrival to Vila Nova de Cerveira

**Places:** Availability: 70 seats.

**Registration:** [info-ciav2013@esg.pt](mailto:info-ciav2013@esg.pt)

**Coordinators:** Filipa Gomes & Joana Soares (ESG | Escola Superior Gallaecia)

**Support:** Municipality of Arcos de Valdevez.

Information. ESG/ Escola Superior Gallaecia | t. (+351) 251 794 054 | [clav2013@esg.pt](mailto:clav2013@esg.pt) | [www.esg.pt/clav2013](http://www.esg.pt/clav2013)