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Prof. Angelos Delivorias

Dr. Maria Georgopoulou

Mr Manos Haritatos

Mrs Sylvia Ioannou

Mr Victor Melas

Mrs Lefki Michaelidou

Mrs Margarita Samourka

Hieromonk Ioustinos Simonopetritis



The ICA WG on Digital Technologies in Cartographic Heritage (<http://web.auth.gr/xeee/ica-heritage>):

*Chair:* **E. Livieratos**, Thessaloniki.

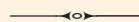
*Members:* **C. Balletti**, Venice; **J. Benavides**, Groningen; **G. Bitelli**, Bologna; **B. Jenny**, Zurich; **M. Jobst**, Vienna; **E. Koster**, Groningen; **L. Michaelidou**, Nicosia; **A. Pearson**, Portsmouth; **A. M. Pietilä**, Helsinki; **V. Tsioukas**, Xanthi; **Z. Török**, Budapest; **R. Šolar**, Ljubljana.

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The International Web Journal on Sciences and Technologies Affined to History of Cartography and Maps  
<http://www.e-perimetron.org>

This joint international workshop aims at the discussion of main issues related to the introduction of modern digital information and communication technologies (ICT) in the analogue-to-digital transformation of manuscript or printed cartographic documents, in the digital analysis of their geometric and thematic (semantic) content, in digital archiving and cataloguing, as well as in topics relevant to the digital access to rare maps and to the networking of map collections (e.g. on the web) and affined cartographic material. The workshop is addressed to researchers and students working in historical cartography (from history, sciences and technologies, informatics and infographics), to map curators and map librarians, to map collectors, to digital ICT operators, to scientists from other fields who use historical maps in their work and to map enthusiasts from the general public.



Organizing and Scientific Committee

**Dr. P. Falchetta** (e-Perimetron; Biblioteca Nazionale Marciana, Venice)

**Prof. C. Kaltsikis** (Past-Vice Rector, Aristotle University of Thessaloniki)

**Prof. A. Koumariou** (Emeritus, Sorbonne; Society for Hellenic Cartography, Athens)

**Prof. E. Livieratos** (Chair, ICA WG Digital Technologies in Cartographic Heritage; Aristotle University of Thessaloniki)

**Prof. M. Myridis** (President, Hellenic Cartographic Society; Aristotle University of Thessaloniki)

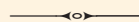
**Prof. C. Monti** (e-Perimetron; Politecnico di Milano)

**Prof. P. Patias** (Chair, CIPA; President, Faculty of Surveying Engineering, Aristotle University of Thessaloniki)

**Dr. G. Toliás** (Research Director, National Hellenic Research Foundation, Institute of Neohellenic Research, Athens)

**Prof. L. Tsoulos** (National Technical University of Athens)

**Prof. F. Guerra** (Università IUAV di Venezia).



The organization of the “*Digital look at Righas Charta*” is an initiative of the **Faculty of Rural and Surveying Engineering**, Aristotle University of Thessaloniki, in the frame of Faculty’s project “2007 - Righas Charta Year” for the celebration of the 250<sup>th</sup> anniversary from the birth of Righas Velesinlis. The Faculty’s organizing committee: Profs. C. Kaltsikis, E. Livieratos, M. Myridis, P. Patias, M. Tsakiri-Strati. <http://cartography.web.auth.gr>



National Hellenic Research Foundation



Aristotle University of Thessaloniki



Hellenic Cartographic Society

Joint International Workshop on Digital Cartographic Heritage



## Digitization of and Access to Map Collections: Problems, Solutions, Implementation

*2<sup>nd</sup> International Workshop on Digital Approaches  
to Cartographic Heritage*



### A digital look at Righas Charta, 1796-97

*The cartographic masterpiece of Greek Enlightenment  
from a digital point of view*



*Organized by:*

**International Cartographic Association /**  
Working Group on Digital Technologies in Cartographic Heritage

**National Hellenic Research Foundation /**  
Institute of Neohellenic Research

*In cooperation with:*

**Aristotle University of Thessaloniki /**  
Faculty of Surveying Engineering

**Hellenic Cartographic Society**

**e-Perimetron**

International Web Journal on Sciences and Technologies Affined  
to History of Cartography and Maps



Athens, 18 - 19 May 2007

Auditorium of the National Hellenic Research Foundation  
48, Vasileos Konstantinou Ave.

## Joint International Workshop on Digital Approaches to Cartographic Heritage

Athens, Greece, 18 – 19 May 2007

Auditorium of the National Hellenic Research Foundation  
48, Vasileos Konstantinou Ave.

Registration: Free

### Friday 18 May 2007

#### Digitization of and Access to Map Collections: Problems, Solutions, Implementation.

*The 2<sup>nd</sup> International Workshop on Digital Approaches to Cartographic Heritage.*

The International Cartographic Association Working Group on Digital Technologies in Cartographic Heritage (<http://web.auth.gr/xeee/ica-heritage>) is organizing its 2<sup>nd</sup> International Workshop on Digital Approaches to Cartographic Heritage focused on the problems, the solutions and implementation relevant to the: *Digitization of and Access to Map Collections.*

09:00 - 10:00 Registration (*free*)

#### Session 1 – Chair, Maria Christina Chatziioannou

10:00 - 10:10: Opening, Welcome addresses

10:10 - 10:30: E. Livieratos: Some issues related to the digitization of and digital access to map collections.

10:30 - 10:50: V. Tsioukas: Georeference and database management of historic maps.

10:50 - 11:10: C. Fleet, K. Kowal: The Roy military survey map of Scotland (1747-1755): Mosaicing, geo-referencing and web delivery.

11:10 - 11:30: F. Guerra, A. Adami: Physical deformations in historical maps: A 3d digital survey.

11:30 - 11:50: Coffee

#### Session 2 – Chair, Chris Fleet

11:50 - 12:10: G. Toliass: Early modern Greek mapmaking on the Web.

12:10 - 12:30: H. Southall: Building an Internet map server for the European past from historical maps.

12:30 - 12:50: C. Balletti, P. Falchetta: Fra Mauro's digital world map: a new tool for digital cartographic heritage.

12:50 - 13:10: A. Koussoulakou, E. Livieratos: Vermeer's maps revisited: a third order digital fitting in an old master's mirror.

13:10 - 13:30: V. Valerio: Inventory and digitization of the printed Italian atlases (15<sup>th</sup> - 19<sup>th</sup> centuries).

13:30 - 14:00: Discussion (morning sessions)

14:00 - 16:30: Lunch break

#### Session 3 – Chair, Djoko Utomo

16:30 - 16:50: R. Brumana, C. Monti: Integration of historic cartography data into a modern cartography as a progress of landscape and built environment: digital methodologies of georeferencing, WebGIS management, 3d perspective views.

16:50 - 17:10: M. Daniil: A comparative study of antique maps' digital images for the evaluation of the geometric consistency of their digitization process.

17:10 - 17:30: K. P. Pridal: Processing and digital publishing of historical documents.

17:30 - 17:50: E. Livieratos, A. Tsorlini, C. Boutoura, M. Manoledakis: Ptolemy's 'Geographia' in digits.

17:50 - 18:10: Coffee

#### Session 3 – Chair, Myron Myridis

18:10 - 18:30: M. Sukendra, D. Utomo: Some efforts to re-mapping area and securing the available documented articles affected by Tsunami in Aceh, Indonesia.

18:30 - 18:50: B. Baily: The extraction of digital vector data using image processing techniques from historic land use maps of the United Kingdom.

18:50 - 19:10: L. Federzoni: Digitization and virtual restoration of ancient Italian maps.

19:10 - 19:40: METIS Systems S.r.l. Rome: New technology to preserve, share and capitalize the cartography heritage: From parchments to papyri, from books to maps, an overview of the state of the art technology designed to fulfill the current needs of the digitization of cartography heritage.

19:40 - 20:00: Discussion (evening sessions)

20:10: Reception

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SYSTEMS

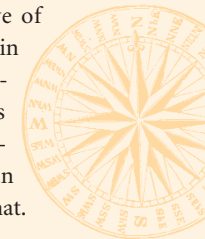
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### Saturday 19 May 2007

#### A Digital look at Righas Charta, 1796-97.

*The cartographic masterpiece of Greek Enlightenment from a digital point of view.*

On the occasion of the 250<sup>th</sup> anniversary from the birth of Righas Velestinlis (1757) – a major representative of Greek Enlightenment and the designer of the first in Greek language map of 'modern' Greece – it is attempted for the first time a mainly digital look at his monumental 12-sheet map, the famous *Charta*, published in Vienna (1796-97) depicting the Balkan Peninsula, from Danube to Crete in 2x2 metres format.



09:00 - 10:00 Registration (*free*)

#### Session 4 – Chair, Aikaterini Koumariannou

10:00 - 10:10: C. Kaltsikis: The Aristotle University of Thessaloniki Righas *Charta*.

10:10 - 10:30: G. Toliass: The Righas *Charta* in the context of Greek Enlightenment.

10:30 - 10:50: E. Livieratos: On the cartography of Righas *Charta*.

10:50 - 11:05: E. Livieratos, K. Kaltsikis, V. Tsioukas, M. Daniil, N. Ploutoglou: The digitization of Righas *Charta*.

11:05 - 11:25: Coffee

#### Session 5 – Chair, Christogeorgis Kaltsikis

11:25 - 11:45: A. Tsorlini: Problems and solutions for assembling the 12 Righas *Charta* sheets in a unique map.

11:45 - 12:05: N. Ploutoglou, A. Tsorlini, E. Livieratos, C. Boutoura: On the digital analysis of Righas *Charta* map geometry.

12:05 - 12:20: N. Ploutoglou, M. Pazarli, K. Papadopoulos: On the digital implementation of Righas *Charta* thematic content

12:20 - 12:35: M. Pazarli: A note on the coins represented in Righas *Charta*.

12:35 - 12:50: M. Manoledakis: A note on the ancient sites on Righas *Charta*.

12:50 - 13:10: Discussion (morning sessions)

13:10 - 14:00: Meeting reserved to the 'CCH – Synergy' partners and friends [cartography.web.auth.gr](http://cartography.web.auth.gr)

CCH Synergy  
Cartography  
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