

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 2nd 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 2nd 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 Subscription

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, georeferencing 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. Toliás: 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 (15th – 19th 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: D. 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17:10 – 17:30: K. P. Pridal: Processing and digital publishing of historical documents.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)

20:00: Reception

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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 250th anniversary from the birth of Righas Velesinlis (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 Subscription

Session 4 – Chair, Aikaterini Koumarianou

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

10:10 – 10:30: G. Toliás: The Righas *Charta* in the context of Greek Enlightenment

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

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

11:10 – 11:30: Coffee

Session 5 – Chair, Christogeorgis Kaltsikis

11:30 – 11:50: A. Tsorlini: Problems and solutions for assembling the 12 Righas *Charta* sheets in a unique map.

11:50 – 12:10: N. Ploutoglou, A. Tsorlini, E. Livieratos, C. Boutoura: On the digital analysis of Righas *Charta* map geometry.

12:10 – 12:30: N. Ploutoglou, M. Pazarli, K. Papadopoulos: On the digital implementation of Righas *Charta* thematic content

12:30 – 12:50: M. Pazarli: A note on the coins represented in Righas *Charta*.

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

13:10 – 14:00: Meeting reserved to the 'CCH – Synergy' partners and friends.

This joint international workshop is kindly encouraged by:

Mount Athos Map Library

CCH-Synergy

Samourka Map Collection

CCH-Synergy

Hellenic Literary and Historical Archive / ELIA

CCH-Synergy

Sylvia Ioannou Cyprus Map Collection

CCH-Synergy

Gennadius Library

Benaki Museum

Archive of Cartography / National Bank Cultural Foundation

Bank of Cyprus Cultural Foundation

Thanks are due to the following persons who supported the event:

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. *Corr. Members:* **C. Fleet**, Edinburgh; **M. Jessop**, London; **D. Drakoulis**, Thessaloniki; **G. Gartner**, Vienna; **A. Fernandez-Wytenbach**, Madrid; **J. Alves Gaspar**, Lisbon; **L. Lovison-Golob**, Boston; **M. Miletić Drder**, Zagreb; **C. Musselman**, Gettysburg.

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-Perimtron; Biblioteca Nazionale Marciana, Venice)

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

Prof. A. Koumarianou (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-Perimtron; Politecnico di Milano)

Prof. P. Patias (Chair, CIPA; President, Fac, Surv. Eng., 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 250th anniversary from the birth of Righas Velestinlis. 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

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



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-Perimtron

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



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