

# **Professor Dr. C. C. Baniotopoulos**

**Chair of Sustainable Energy  
Director of the Resilience Centre for Research and Education  
School of Civil Engineering  
University of Birmingham, United Kingdom**

**Emeritus Professor**

**Civil Engineering Departments**

**Jordan University of Science and Technology**

**Irbid-Jordan**



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## I. GENERAL INFORMATION

**Surname:** BANIOPOULOS

**Name:** Charalampos (Lambis)

**Date of birth:** 18 April 1958

**Place of birth:** Thessaloniki, Greece

**Nationality:** Greek

**Marital status:** Married with Natassa Bontzidou, lawyer  
2 children: Christina and Pantelis

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Edgbaston B15 2TT, Birmingham, United Kingdom

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**Webpage:** <http://www.birmingham.ac.uk/schools/civil-engineering>  
and <http://ccb.civil.auth.gr>

## II. EDUCATION

- 1964-70: **Primary school**, 40<sup>th</sup> Primary School of Thessaloniki «Ioannidion»
- 1970-76: **Secondary studies** at the elite Model School (Gymnasium and Lyceum) of the Aristotle University of Thessaloniki  
1.7.1976 Graduate – Grade 19& 4/13 (97%) «Excellent with Honours»
- 1976-1981: **Studies at the Department of Civil Engineering** (5 years integrated curriculum), Aristotle University of Thessaloniki, Greece.  
29.12.1981 Diploma (MSc equivalent) (5 years integrated curriculum) in Civil Engineering, Department of Civil Engineering, Aristotle University of Thessaloniki, Greece – Grade 9 «Excellent with Honours» (90%)

During the undergraduate studies, stays abroad for **practice** (IAESTE):

- Gotland, Sweden (29.7.-1.9.78)
- Szczecin, Poland (1.8.-30.8.80)
- Gdansk, Poland (7.8.-31.8.81)
- 1981-1985: **Doctoral studies** at the Department of Civil Engineering, Aristotle University of Thessaloniki, Aristotle University of Thessaloniki, Greece.  
10.12.1985 Doctoral Degree (PhD) in Civil Engineering, Department of Civil Engineering, Aristotle University of Thessaloniki, Greece – Grade 10 «Excellent unanimously with Honours» (100%)
- 21.9.85-21.8.87: Military service (Greek Air Forces)
- 1987-88: Alexander von Humboldt **Research Fellow**, RWTH (Technical University of Aachen) Aachen, Germany (AvHumboldt Fellowship)
- 1993-94: **Research Fellow**, Joint Research Center of the EU-Ispra, (EC HCM fellowship)
- 1.9.11-30.11.11: Alexander von Humboldt visiting **Research Fellow**, Leibniz Universitaet Hannover, Hanover, Germany (AvHumboldt Fellowship)

## LANGUAGES

- **Greek** (mother tongue)
- **English**
- **German**
- **French**
- **Italian**

### **III. DISTINCTIONS, SCHOLARSHIPS, FELLOWSHIPS**

- Greek Ministry of Education (1976)
- Technical Chamber of Greece (1977)
- Foundation of Greek State Scholarships – IKY (1977, 1978, 1979, 1980)
- Deutsche Akademische Austausch Dienst DAAD (1982)
- International Center of Mechanical Sciences CISM (1983, 1984, 1985)
- Danish Government – Scholarship (1984)
- Alexander von Humboldt Stiftung – Fellowship (1987)
- European Commission – HCM Fellowship (1993)
- Alexander von Humboldt Stiftung – Fellowship (2011)

### **Indicative List of INVITED LECTURES**

- Charles University of Prague (Prague, Czech Republic) (1984)
- University of Bratislava (Bratislava, Slovakia) (1984)
- Technical University of Linköping (Linköping, Sweden) (1989)
- Technical University of Warsaw (Warsaw, Poland) (1990)
- University of Florence (Florence, Italy) (1993)
- Politecnico di Milano (Milano, Italy) (1993)
- Helsinki Technical University (Helsinki, Finland) (1996)
- Technical Chamber of Cyprus (Limassol, Cyprus) (1996)
- Technical University of Budapest (Budapest, Hungary)(1997)
- Intensive courses ICP 1043/06-1998 and ICP 1086/06-1999 (University of Florence, Italy)
- Coordinator of an 1-week Seminar given at the International Center for Engineering Sciences (CISM, Udine, Italy) (1999)
- Jordan University of Science and Technology (Irbid, Jordan) (2000)
- Technical University of Bratislava (Bratislava, Slovakia) (2002)
- International Centre for Mechanical Sciences-CISM (Udine, Italy) (2003)
- Technical University of Budapest (Budapest, Hungary) (2003)
- Jordan University of Science & Technology-JUST (Irbid, Jordan) (2006)
- Bogacizi University (Istanbul, Turkey) (2007)
- University “Politecnica” of Timisoara (Timisoara, Romania) (2007)
- Concordia University (Montreal, Canada) (2007)
- Jordan University of Science & Technology-JUST (Irbid, Jordan) (2008)
- Al-Sharja University (Al-Sharja, United Arab Emirates) (2008)
- Universidad Nacional Autonoma de Mexico (Mexico city, Mexico) (2008)
- Charles University (Prague, Czech Republic) (2009)
- International Centre for Mechanical Sciences-CISM (Udine, Italy) (2009)
- Jordan University of Science & Technology-JUST (Irbid, Jordan) (2009)
- Universidad Nacional Autonoma de Mexico (Mexico city, Mexico) (2010)
- Leibniz Universitaet Hannover (Hanover, Germany) (2011)
- Universitaet der Bundeswehr Muenchen (Munich) (2011)
- Alexander von Humboldt Magreb Workshop (Marrakech, Morocco) (2012)

- Jordan University of Science & Technology-JUST (Irbid, Jordan) (2012)
- University of Sfax (Susse, Tunis) (2012)

## IV. ACADEMIC CAREER

Institution	Address	Starting Date	End Date	Position hold
<b>RWTH AACHEN</b> Inst. f. Technische Mechanik	Templergraben 49 52056 Aachen Germany	1.10.1987	30.9.1988	Alexander von Humboldt Research Fellow
<b>JOINT RESEARCH CENTRE OF THE EU</b> European Laboratory for Structural Assessment (ELSA)	JRC Ispra site Via Fermi 2749 21020 Varese Italy	1.7.1993	31.12.1993	HCM Research Fellow
		1.5.1994	30.10.1994	
<b>ARISTOTLE UNIVERSITY OF THESSALONIKI</b>	DEPT. OF CIVIL ENGINEERING G Univ.campus 54006 THESSALONIKI GREECE	25.5.1982	1.2.1988	Research Associate
		2.2.1988	8.10.1991	Lecturer
		10.10.1991	7.2.1996	Assistant Professor
		8.2.1996	17.1.2000	Associate Professor
		18.1.2000	to date	Full Professor
		<b>FACULTY MEMBER</b>	<b>TENURE FACULTY MEMBER</b>	
<b>UNIVERSITY OF BIRMINGHAM</b>	DEPT. OF CIVIL ENGINEERING BIRMINGHAM B15 2TT UK	<b>CHAIR OF SUSTAINABLE ENERGY SYSTEMS RESILIENCE CENTRE</b>	1.11.2011 to date	Full Professor & Director Resilience Centre

### Courses & Seminars

- ◆ Responsible for the designing and lecturing and participation to the MSc **Advanced Structure Design – Wind Energy Structures, Statics & Mechanics** and **Interdisciplinary Project, Group Management** Project for Bachelor and MEng students., UoB
- ◆ 1988-2012 Responsible for the designing and lecturing of the **Graduate (MSc 5 years) curriculum** courses "**Theory of Stability**", "**Metal Structures I**" & "**II**" including the **Sustainable Design of Metal Structures** (Department of Civil Engineering AUTH) and "**Topics of Structural Design**" for Architects (Department of Architecture AUTH)
- ◆ **Postgraduate curriculum** courses on the **same subjects** on "**Wind Energy Structures Design**" at the Department of Civil Engineering AUTH (**MSc specialization postgraduate course - 1 year curriculum**) and at the School of Civil Engineering, Univ, of Birmingham.
- ◆ 2012- to date University of Birmingham-School of Civil Engineering: Statics & Mechanics (CE 1SAM), LH Industrial Project (CE 3IP1), MEng Design Project (CE 4DGPI), CE research Project (CE 4A4), Advanced Structures and Design (CE 5ASD).
- ◆ Responsible for sponsorship and member of the examination committee of Diploma Theses and Doctoral Dissertations (Ph.D.) (Department of Civil Engineering AUTH) (see section "Research") and School of CE, Univ. of Birmingham.

- ◆ Participation to special IP Erasmus Seminars, International Centre for Mechanical Sciences (CISM) Seminars and Seminars in collaborating Universities (JUST, UNAM etc.) on wind energy structures design, LCA and sustainability building design.

## **V. MEMBERSHIP TO SCIENTIFIC SOCIETIES**

### **Chairman**

of the Hellenic Society of Wind Engineering and Aerodynamics (HSWE) (2005-to date)

### **Member**

- Technical Chamber of Greece (TEE) (1981 to date)
- Greek Society of Civil Engineers (1982 to date)
- American Society of Civil Engineers (ASCE) (1983 to date)
- Gesellschaft fuer Angewandte Mathematik und Mechanik (GAMM) (1984 to date)
- International Society for the Interaction between Mathematics and Mechanics (ISIMM) (1989 to date )
- Greek Society for the Research on Metallic Structures (GSRMS) (1993 to date )
- Greek Society on Computational Mechanics (GSCM) (1991 to date)
- European Community on Computational Methods in Applied Sciences (ECCOMAS) (1994 to date)
- International Society for Structural and Multidisciplinary Optimization (IISMO) (1994 to date)
- European Mechanics Society (EUROMECH) (1994 to date)
- European Association for Structural Dynamics (EASD) (1996 to date)
- Greek Society of Theoretical and Applied Mechanics (GSTAM) (1997 to date)
- Hellenic Society of Earthquake Engineering (ETAM) (2009 to date)
- Institution of Civil Engineers (2012 to date)

## VI. ADMINISTRATIVE POSITIONS

- **Professor**, Chair of Sustainable Energy Systems, School of Civil Engineering, University of Birmingham, UK (1.04.2012-to date)
- **Director** of the Birmingham Resilience Centre for Research and Education, Univ. of Birmingham, UK (1.04.2012-to date)
- **Professor** at the Structural Engineering Division, Department of Civil Engineering, Aristotle University of Thessaloniki (1999 to date).
- **Chairman**, Dept. of Civil Engineering, Aristotle University of Thessaloniki (2009-to date)
- **Deputy Chairman**, Dept. of Civil Engineering, Aristotle University of Thessaloniki (2007-2009)
- **Director** of the Institute of Metal Structures, Department of Civil Engineering, Aristotle University of Thessaloniki (since 2004-2010, re-elected 2010-2013)
- **Director** of the Division of Structural Engineering, Department of Civil Engineering, Aristotle University of Thessaloniki (2004-2012 (resigned))
- Member of the **Senate** of the Aristotle University of Thessaloniki (2007-2011)
- Member of the **General Assembly of the Structural Engineering Division**, Dept. of Civil Engineering AUTH (1991-2012)
- Member of the AUTH Civil Engineering **Department General Assembly** (1991-2011)
- **Chairman** of the Hellenic Scientific Society of Wind Engineering and Aerodynamics (2005 to date)
- Member of the **Steel Advisory Group of the Research Fund for Coal and Steel (RFCS) of the European Commission of the European Union** (2008 to date)
- Member of the Administrative Council of the **AHEPA University Hospital** (2008-2010)
- Member of the Administrative Council of the **Greek State Scholarships Foundations (IKY)** (since 2010-2012 (resigned))
- Member of the Administrative Council of the **International Centre for Mechanical Sciences (CISM)** (1998-2006)
- Member of the Scientific Council of the **International Centre for Mechanical Sciences (CISM)** (1998-2006)
- **National Delegate** in CEN-TC250-SC9 (EUROCODE 9: ALUMINIUM STRUCTURES) (1998-to date)
- **Chairman** of the National (Greek) Committee for Eurocode 9; ALUMINIUM STRUCTURES (1998 to date)

- Member of the Management Committee and WG4 of the **COST C1** “Semirigid connections in Civil Engineering structures” (1994-1998)
- Member of the Management Committee of the **COST C12** ”Improving buildings quality by new technologies” (1999-2004)
- Member of the Management Committee of the **COST C14** ”Impact of wind and storm in built environment” (1999-2004)
- Member of the Management Committee of the **COST C26** ”Urban habitat constructions under catastrophic events” (2006-2010)
- Rapporteur and evaluator of the **COST C25** “Sustainability of constructions” (2006-2011).
- Member of the Management Committee of the **COST TU0905** ”Structural Glass” (2010-to date)
- Member of the Technical Committee of the Domain **COST C** “Urban Development” (2004-2010)
- Member to the TEMPUS “Structural connections” project –Production of educational material for engineers (2000-2004)
- Expert for the EU Framework Programme 6 & 7 (**FP6 & FP7**) and **ERASMUS MUNDUS** (2002 to date)
- Member of the **Committee for International Relations** of the Faculty of Engineering AUTH (2006-2011)
- Delegate of AUTH at the **CESAER** (Conference of European Schools for Advanced Engineering Education and Research) (2000 – 2012)
- Member of the **Research Council of the Faculty of Engineering** AUTH (2006-2011)



## VII. ACTIVITY AS CONSULTANT

1984-1991: Member of a design office with activity on the design of buildings.

1991- to date: Involvement as consultant in specialized civil engineering design projects

### Selected projects (consultancy):

- ⇒ Extension of the existing buildings of the Faculty of Sciences AUTH, Thessaloniki, total built area 4.500m<sup>2</sup> – Architect Prof. A. Kotsiopoulos & co-workers (The first medium rise office steel building erected in Northern Greece)
- ⇒ Theatre and Cultural Centre of the Municipality of Menemeni, Thessaloniki, total built area 3150m<sup>2</sup> – Architects P.Nikiforidis-B.Kouomo
- ⇒ Mall in Thessaloniki, total built area 2.700m<sup>2</sup>
- ⇒ Athletic centre and swimming pool, Thessaloniki, Architect M. Karanastassi
- ⇒ Extension of the existing buildings of the Faculty of Philosophy AUTH (preliminary design), Thessaloniki, total built area 3.000m<sup>2</sup> – Architect Prof. A. Kotsiopoulos & co-workers
- ⇒ Multi-storey building of the Faculty of Education AUTH, Thessaloniki (preliminary design) – Architect G. Kontaxakis
- ⇒ Three-storey building of the Department of Civil Engineering, Democritus University, Xanthi, (preliminary design), total built area 5.000m<sup>2</sup> – Architect Prof. A. Kotsiopoulos & co-workers
- ⇒ Design of the steel towers for the Aeolian park at Kalogerovouni, Lakonia (design of the prototype of the steel support towers, the first ones designed and manufactured in Greece)
- ⇒ Three buildings of the Institutes of the Technological Park of Central Macedonia, Thessaloniki, preliminary design – Architect Prof. A. Kotsiopoulos & co-workers
- ⇒ Crude oil steel tank: Uplifting and repair, Thessaloniki
- ⇒ Library of the Department of Civil Engineering AUTH – Architect Prof. A. Kotsiopoulos & co-workers (Glass-steel building)
- ⇒ Double-skin industrial building (Headquarters of an aluminium extrusion company), Kilkis – Architect Prof. A. Kotsiopoulos & co-workers (Mediterranean competition prize for sustainability design / double-skin facade)
- ⇒ Restoration of a historical building applying sustainability criteria: The municipal Library of Limassol, Cyprus (together with architect Prof. Dr. D. Bikas)

## VIII. RESEARCH ACTIVITY

Since 1981 to date, active member and head of a research group working with utmost of international collaboration.

### Main research topics:

- Wind turbine towers design –wind energy structures structural design, Structural Engineering, Steel Structures,
- Innovative / sustainable structures for energy production (photovoltaics on aluminium frames) structural design
- Sustainability building design
- Metal Construction
- Sustainable strengthening techniques of historical buildings and monuments
- – Aluminium structures – Steel structures –Glass structures
- Earthquake resistant structures by using metal strengthening systems-Structural Robustness
- Engineering Education within the CESAER framework (Conference of European Education Schools for Advanced Engineering Education & Research)
- C.Baniotopoulos submitted (September 2012) as coordinator a proposal for a COST Action on a **European Network of Wind Structures** (results expected)

### Doctoral Dissertations supervised

- **D. Kaziolas**, «Adhesive connections of composite structures in the framework of the Nonsmooth Mechanics methods», 2000.
- **M. Kontoleon**, «Metal connections with adhesives exhibiting softening behaviour», 2000.
- **Th. Nikolaidis**, «Displacement control systems to large span structures using cables», 2003.
- **N. Nanoussis**, «Analysis of metal structures with semirigid connections», 2005.
- **F. Preftitsi**, «Investigation of the mechanical behaviour of laminated aluminium profiles by means of computational methods», 2005.
- **E. Efthymiou**, «Development of the yield lines in bolted aluminium connections under tension», 2005.
- **Ch. Efstathiadis**, «Application of the Theory of Artificial Neural Networks to the definition of damage in aluminum curtain-wall systems», 2008.
- **K. Chatzinikos**, «Development of a Methodology for the Assessment of the Reliable Structural Response of Glass-Aluminum Curtain-Walls», 2008.
- **S. Gerasimidis**, «Robustness of structures. Numerical Approaches», 2011.
- **I. Zygomas**, «Sustainable Metal Buildings, LCA and LCI», 2011.
- **C. Tsalikis**, «Advanced numerical approaches for fire resistant steel buildings», 2012.
- **O. Cocen**, «Sustainability criteria into the rehabilitation of historical structures and monuments», (expected end 2013).
- **C. Pitenis**, «Sustainable aluminum building», (expected end 2013).
- **Y. Hu**, «Optimization of wind energy structures»
- **N. Anderson**, «Thermal energy storage devices»
- **N. Antoniou**, «HSS for long span structures»

**Under Prof. C.C.Baniotopoulos supervision:**

- **C. Tsalikis** (PhD candidate) was selected as the **Best Young European researcher in Fire Engineering for 2011 (IFER, Prague 2011)**
- **N. Antoniou** MScThesis (under Prof. C.C.Baniotopoulos supervision) was awarded the **A' Prize for Young Engineers (Technical Chamber Northern Greece) 2011.**

**The period that Prof. C.C.Baniotopoulos was Chairman of the Department of Civil Engineering AUTH, the Department was ranked to the position 51-100 internationally (QS ranking) (previous position 251-300).**

***Member of the Editorial Board of the***

- International Journal of Wind Engineering and Industrial Aerodynamics
- Institution of Civil Engineers - Structures & Buildings
- Transactions of FAMENA
- Jordan Journal of Civil Engineering
- International Journal for Engineering and Information Sciences
- Pollack Periodika-An Intern. Journal for Engineering Structures & Systems
- Journal of Engineering Structures and Technology
- KTIRIO-Scientific Publication (in Greek) (1999-2011)

***Reviewer of the following international scientific publications  
(indicative list)***

- International Journal of Wind Engineering and Industrial Aerodynamics
- Journal of Optimization Letters
- Computers and Structures – An International Journal
- Engineering Analysis with Boundary Elements
- Optimization and Engineering
- Engineering Structures
- Construction and Building Materials
- Computational Mechanics
- Advances in Engineering Software
- Solids & Structures
- Journal of Science and Technology

**RESEARCH PROJECTS PERFORMED BY PROF. C.C.BANIOTOPOULOS  
(AS PROJECT LEADER & SCIENTIFICALLY RESPONSIBLE)**

Nr	Project reference number	Project name	Project starting date	Project ending date	Funding source
1	1748	Frames with semirigid connections. Software development for static and dynamic analyses.	1/6/1996	31/5/1998	Greek Secretariat for Research and Technology
2	1751	Data and images condensation in FEM calculations by means of the fractal codifications	1/6/1996	31/5/1998	Greek Secretariat for Research and Technology
3	1972	Prediction of the critical parameters affecting the structural response of welded elements in aluminium structures	3/11/1999	2/11/2001	Greek Secretariat for Research and Technology
4	4900	Lab testing on the strength of wooden beams	1/6/1997	1/6/1998	XYLODOMI AVEE (Industry)
5	7862	Energy transmission steel column collapse	14/10/1998	13/10/1999	Giatagana C. & C.
6	9730	Development of a mechanical strength standard for aluminium structural products and studies for special structural installations.	1/2/2000	30/10/2000	ALUM NET A.E.- GreeK Aluminium Construction Companies Consortium
7	9818	Measurements of the strength of pinned aluminium bars	9/3/2000	9/4/2000	DIMANT A.B.E.E. (Industry)
8	10040	Analysis and design and manufacturing recommendations of aluminum curtain-walls with improved strength properties according to Eurocode 9	6/2/2002	30/3/2004	Greek Secretariat for Research and Technology
9	10059	Smart Glass-Aluminum Facades:Numerical and experimental simulation of their structural behavior and recommendations for industrial design and manufacture	1/5/2002	30/4/2004	Greek Secretariat for Research and Technology

<b>10</b>	10122	Structural Glazing Systems in Civil Engineering Applications	23/9/2003	23/9/2005	Greek Secretariat for Research and Technology
<b>11</b>	10159	Research, development and assessment of an integrated structural aluminium system of large dimensions with incorporated photovoltaic elements of modern technology	1/1/2003	31/12/2006	Greek Secretariat for Research and Technology
<b>12</b>	10187	Assessment, ranking and reduction of the national telecommunication network	1/1/2004	31/12/2007	Greek Secretariat for Research and Technology
<b>13</b>	20249	COST C-12 Improving Buildings' Structural Quality By New Technologie STSM	6/9/2000	6/12/2001	EUROPEAN COMMISSION - RESEARCH DIRECTORATE GENERAL
<b>14</b>	20251	COST C 14 Urban Wind Engineering and Building Aerodynamics STSM	6/9/2000	6/4/2002	EUROPEAN COMMISSION - RESEARCH DIRECTORATE GENERAL
<b>15</b>	20290	Technical support on production subjects of the network of Greek aluminium fabricators ALUMNET S.A.	9/2/2001	9/10/2001	ALUM NET A.E.- Greek Aluminium Construction Companies Consortium
<b>16</b>	20291	Study of the prototypes of the quality mark RAL "PROTO-RAL"	9/2/2001	9/10/2001	ALUM NET A.E.- Greek Aluminium Construction Companies Consortium
<b>17</b>	20344	Continuing education in structural connections (CESTRUCO)	1/12/2000	1/12/2003	EUROPEAN COMMISSION - EDUCATION AND CULTURE DG GENERAL-TEMPUS
<b>18</b>	20397	Laboratory testing programme of the institute of steel structures	3/5/2001	31/12/2009	Greek metal extrusion industries

19	20559	Aluminium curtain-wall system:Reliability control and development of specific applications(SYA)	30/7/2001	30/6/2004	Aluminium Extrusion Industry ELVIAL SA
20	20560	Research for the development of production of energy-producer structural elements	1/9/2001	30/10/2003	ALUMYL MYLONAS S.A.
21	20585	Evaluation procedure of CRAFT/GROWTH (ACG)	15/10/2001	19/10/2001	EUROPEAN COMMISSION - SCIENCE, RESEARCH AND DEVELOPMENT
22	20917	Manufacturing technology transfer and assessment of prototype aluminum structural elements	15/7/2002	30/6/2003	ALUMYL MYLONAS S.A.
23	20986	COST C-12 Improving Buildings' Structural Quality By New Technologie STSM	16/12/2001	16/12/2003	EUROPEAN COMMISSION - RESEARCH DIRECTORATE GENERAL
24	21039	COST C 14 Urban Wind Engineering and Building Aerodynamics STSM	25/4/2002	25/12/2003	EUROPEAN COMMISSION - RESEARCH DIRECTORATE GENERAL
25	21085	New materials, adaptive systems and their non linearities, modelling, control and numerical simulation	1/11/2002	31/10/2006	EUROPEAN COMMISSION - DIRECTORATE GENERAL FOR RESEARCH
26	21221	Delamination measurements in connection angles in metal structures (GONIES)	1/4/2003	31/7/2003	ALUMYL MYLONAS S.A.
27	21524	Research, development and assessment of an integrated structural aluminum system of large dimensions with incorted photovoltaic elements of modern technology	1/1/2003	31/12/2006	ALUMYL MYLONAS S.A.
28	51045	COST C 14: Short-Term Sc. Mis	6/9/2000	6/4/2002	EUROPEAN COMMISSION - RESEARCH DIRECTORATE GENERAL

29	51094	Evaluation procedure of CRAFT/GROWTH (ACG)	15/10/2001	19/10/2001	EUROPEAN COMMISSION - SCIENCE, RESEARCH AND DEVELOPMENT
30	77450	Development of a methodology for the assessment of the structural reliability of aluminium curtain-walls.	1/1/2005	30/6/2009	DOMICAL S.A. (Industry) Greek Secretariat for Research and Technology
31	80296	Sustainable development of historical buildings through their rehabilitation by means of innovative technologies	1/9/2004	30/11/2007	CYPRUS Secretariat of Research & Technology Municipality of Limassol
32	80828	High-strength steel tower for wind turbines HISTWIN	1/7/2006	30/6/2009	EUROPEAN COMMISSION - RESEARCH DIRECTORATE GENERAL RESEARCH FUND FOR COAL & STEEL (RFCS)
33	81009	Earthquake protection and structural system rehabilitation of R/C structures by using structural steel	8/1/2007	30/9/2008	Greek Secretariat for Research and Technology
34	81443	Software development for use in earthquake resistant structures.	1/9/2006	31/3/2008	Greek Secretariat for Research and Technology
35	81512	Strengthening/rehabilitation of historical building in seismic areas using reversible mixed technologies	1/4/2006	31/3/2008	Greek Secretariat for Research and Technology

36	82290	Dissemination of Structural Fire Safety (Difisek+)	1/7/2007	31/12/2008	EUROPEAN COMMISSION – RESEARCH DIRECTORATE GENERAL RESEARCH FUND FOR COAL & STEEL (RFCS)
37	82334	Advanced Structural Analyses for the Telecommunication Organization of Greece Masts	26/7/2006	30/6/2009	Greek Telecommunications Organisation S.A.
38	82544	Eurocode 9 – Application in Greece	1/6/2007	30/6/2009	Greek Organization for Aseismic Design & Protection
39	83160	Anchor strength for PhV	26/2/2008	25/6/2008	PROJECTS DYNAMIC S.A.
40	84652	PhotoValue dissemination	8/7/2009	7/3/2010	AUTH Research Committee
41	85871	Study of the strength and serviceability of aluminum frames for PhV systems	10/7/2010	9/7/2011	ALUMYL MYLONAS S.A. (industry)
42	83687	MACS+ Fire Resistance Assessment of partially Protected composite Floor Valorisation	1/7/2011	30/6/2012	EUROPEAN COMMISSION - RESEARCH DIRECTORATE GENERAL RESEARCH FUND FOR COAL & STEEL (RFCS)
43	84697	High-strength steel tower for wind turbines HISTWIN 2	1/7/2010	30/6/2013	EUROPEAN COMMISSION - RESEARCH DIRECTORATE GENERAL RESEARCH FUND FOR COAL & STEEL (RFCS)
44	83690	SB_Steel Sustainable Steel Building	1/7/2010	30/6/2013	EUROPEAN COMMISSION - RESEARCH DIRECTORATE GENERAL RESEARCH FUND FOR COAL & STEEL (RFCS)



## IX. PUBLICATIONS

### I. BOOKS

1. C.C.Baniotopoulos, C. Borri (U Florence) & T. Stathopoulos (Concordia Univ. Montreal) (eds) (2010), Environmental Wind Engineering and Design of Wind Energy Structures, Springer Wien, New York, pages 358.
2. C.C.Baniotopoulos & T. Nikolaidis (2011), Steel Structures. Design Applications according to the EC3 Framework, Ziti Publ. Co, pages 510 (in Greek-under translation into English).
3. C.C.Baniotopoulos (2009), Steel Structures. Design Principles according to the EC3 Framework, Ziti Publ. Co, pages 410 (in Greek-under translation into English).
4. C.C.Baniotopoulos & T.Stathopoulos (Concordia Univ. Montreal) (eds) (2007), Wind Effects on Buildings and Design of Wind-Sensitive Structures, Springer Wien, New York, pages 228.
5. C.C.Baniotopoulos (2006) (ed.), Nonsmooth/Nonconvex Mechanics with Applications in Engineering, Vol. II, Ziti Editions, Thessaloniki, pages 560.
6. C.C.Baniotopoulos (2003) (ed.), Connections in Metal Structures (in Greek), Ziti Editions, Thessaloniki, pages 190 (in Greek).
7. C.C.Baniotopoulos (2002) (ed.), Nonsmooth/Nonconvex Mechanics with Applications in Engineering, Ziti Editions, Thessaloniki, pages 483.
8. C.C.Baniotopoulos & F. Wald (Czech TU Prague) (2000) (Eds), The Paramount Role of Joints into the Reliable Response of Structures. From the Classic Pinned and Rigid Joints to the Notion of Semi-rigidity, Kluwer, Dordrecht, pages 480.
9. M. Ivanyi (TU Budapest) & C.C. Baniotopoulos (2000) (Eds), Semi-rigid Joints in Structural Steelwork, Springer Wien, New York, pages 350.
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## **X. ORGANISATION / COORDINATION OF SCIENTIFIC EVENTS (last years)**

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- THE PARAMOUNT ROLE OF JOINTS INTO THE RELIABLE RESPONSE OF STRUCTURES, Advanced Research Workshop, Ouranopolis, Greece, 21-23 May 2000 (Co-organization of the Advanced Research Workshop with Prof. F. Wald, TU Prague, Czech Republic).
- NONSMOOTH/NONCONVEX MECHANICS WITH APPLICATIONS IN ENGINEERING, Co-ordinator of the International Conference, Thessaloniki, Greece, 5-6 July 2002
- ALUMINIUM STRUCTURAL CONNECTIONS, CISM, Udine, Italy, 2003 (Co-organization of an 1 week Advanced Professional Training Course at the International Centre for Mechanical Sciences with Prof. T.Pekoz, Cornell University, U.S.A. ).
- SECOND INTERNATIONAL CONFERENCE ON NONSMOOTH/NONCONVEX MECHANICS WITH APPLICATIONS IN ENGINEERING, Co-ordinator of the International Conference, Thessaloniki, Greece, 7-8 July 2006.
- WIND ENGINEERING AND DESIGN OF WIND-SENSITIVE STRUCTURES, CISM, Udine, Italy 2006 (Co-organization of an 1 week Advanced Professional Training Course at the International Centre for Mechanical Sciences with Prof. T. Stathopoulos, Concordia University, Canada).
- ENVIRONMENTAL WIND ENGINEERING AND DESIGN OF WIND ENERGY STRUCTURES, Udine, Italy 2009 (Co-organization of an 1 week Advanced Professional Training Course at the International Centre for Mechanical Sciences with Prof. C. Borri Univ. of Florence, Italy and T. Stathopoulos, Concordia University, Canada).
- WIND AND STEEL STRUCTURES, AN INTERNATIONAL WORKSHOP (Co-ordinator), JUST, IRBID, December 4, 2008.
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- WORKSHOP 'WIND ENERGY STRUCTURES', UNIVERSITY OF BIRMINGHAM, Birmingham, October 12, 2012.
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- INTERNATIONAL CONFERENCE CIVIL ENGINEERING FOR SUSTAINABILITY AND RESILIENCE 2014, AMMAN 24-27 April 2014 (co-chair).

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