

Information needed for Application in

23rd ERSA Summer School 2010

“Productivity and Financing of Regional Infrastructure”

1.	First and last name:	Martha Geraki
2.	Date of diploma giving access to doctoral studies in the country in which the diploma was obtained:	22/07/2005
3.	Current status and affiliation	Phd Candidate in Optimization of Regional Allocation of Public Investment.
4.	Motivation letter	See below
5.	A scientific CV	See below
6.	A short description of previous and current research work	See below
7.	a short description of career plans	See below
8.	Name and email address of doctoral / PhD supervisor	Serafeim Polyzos, spolyzos@prd.uth.gr
9.	Name and address of two researchers who are willing to write a letter of recommendation (may include the doctoral / PhD supervisor)	1. Psycharis Yannis, psycharis@prd.uth.gr 2. Serafeim Polyzos, spolyzos@prd.uth.gr
10.	Title and abstract of the intended presentation	Infrastructure Investment Allocation. <i>Abstract:</i> See below

4. MOTIVATION LETTER

I am a Phd Candidate in the Department of Planning and Regional Development in the University of Thessaly in Greece. My interest is on regional allocation of public investment in infrastructure. I would like to take part in the 23rd ERSA Summer School held on August 2010. Last summer (2009) I attended the 4th ERSA Prepare Summer Institute held in Volos, Greece.

I am a Civil Engineer and I am interested in Infrastructure and especially in regional allocation. The title of this Summer School indicates that attending will be very helpful for me. I already did some research on regional allocation of infrastructure and I will be very interesting to hear more on this and similar topics. Financing and productivity on regional infrastructure is of a great interest.

My academic performance has been on top of class. Almost every year during my studies I was being rewarded with a scholarship by the Greek State Scholarship

Foundation. I was also part of the organizational committee of the 2nd Hellenic Civil Engineering Student Conference held in Volos (2003) during my university years.

I speak English fluently and the reason for this is that the high school that I attended was “Anatolia”, the American College in Thessaloniki. I also speak good German. For more than two years I have been working in an Austrian technical company that started a branch in Greece for planning and supervising the construction of the supermarkets of the company ‘ALDI’. Half of the employees were Austrians. The communication between the employees was held in English and German.

I don’t have any experience studying in a foreign country. This summer school could be a very good start. I would really like to work with people that are from different nationalities. My experience from the 4th ERSA Prepare Summer Institute in Greece was really a good start.

I would like to take part in this Summer School because this is an excellent opportunity to improve my skills and to gain a lot of experiences. I like travelling very much as well as spending time in foreign countries and learning their culture. I think, it would be very helpful for me attending this Summer School and I could build up good relationships in my research field, and personal life also.

I hope that the above experiences, knowledge, and skills make me convenient for filling a position at this summer school.

5. CURRICULUM VITAE

Personal data

Name :	Geraki Martha
Middle name :	Athanasios
Date of birth :	06-12-1982
Place of birth :	Thessaloniki
Address :	Tsimiski 56, Thessaloniki, postal code 54623, Greece
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Education and Qualifications

2008-	Phd Candidate in Optimization of Regional Allocation of Public Investment. Department of Planning and Regional Development, University of Thessaly, Volos, Greece
2005-2006	Master of Science in Civil Engineering with a focus on “Earthquake Resistant Design of Structures” (degree’s grade: 7.32) Civil Engineering Department, Aristotle University of Thessaloniki, Greece.
2005	Become member of the Technical Chamber of Greece (TEE- TCG).
2000-2005	Civil Engineering studies with a focus on Structural Engineering (diploma’s grade: 8.41) Department of Civil Engineering, University of Thessaly, Volos, Greece.
1994 – 2000	Studies in high school :the American College of Thessaloniki “Anatolia College”.

Scholarships/ Awards

- 2000-2005 Scholarships from the “State Scholarship Foundation” (*I.K.Y.*) for achieving the best grade in the 1st, in the 2nd, in the 3rd and in the 5th year of studies in Civil Engineering at the Department of Civil Engineering of the University of Thessaly in Volos, Greece (academic years 2000-2001, 2001-2002, 2002-2003 and 2004-2005).
- 2000-2005 Awards from the “*Foundation Deligiorgis*” for the best grade in the 2nd, 3rd and 4th year of studies in Civil Engineering at the Department of Civil Engineering of the University of Thessaly in Volos, Greece (academic years 2001-2002, 2002-2003 και 2003-2004).
- 2006 Honor from the “Greek Women’s Engineering Association” for the highest performance during my studies in Civil Engineering at the University of Thessaly in Volos, Greece.
- 2008 Award from the Technical Chamber of Greece for achieving the best grade in the 5th year of studies in Civil Engineering at the Department of Civil Engineering of the University of Thessaly in Volos, Greece (academic years 2004-2005).

Skills

1) Languages

a) *Greek*: native language

b) *English*:

- “Certificate of Proficiency in English” , University of Michigan
- “Certificate of Proficiency in English” , Anatolia College
- “First Certificate in English” , University of Cambridge

c) *German*:

- “*Zertificate Deutsch als Fremdsprache*” , Goethe Institut

2) Computer skills

Very good use of computer programs:

- Microsoft office (Word, EXCEL, PowerPoint),
- AUTOCAD2007,
- FORTRAN 90,
- STATIK3 (CUBUS) ,
- SAP2000 (CSI),
- ETABS8 Nonlinear (CSI) ,
- Strad2003 (4M-VK),
- MASTER 4 (FESPA),
- LUSAS.

Work Experience

- Part time Lecturer in the Technological Educational Institute of Larissa, Greece (September 2009- today)
- “LENGGER HELLAS” in Thessaloniki (Greece), architectural planning and supervising ALDI’s supermarkets (May 2007- July 2009).
- “Aristotle University of Thessaloniki” (AUTH), being part of the research team for the “Improvement of the seismic behavior of bridges” (March 2007- October 2008).
- Structural company “MALIOKAS & Associates E.P.E.” in Thessaloniki (Greece) which deals with hydraulic engineering works (January-February 2007).

- “EGNATIA ODOS A.E.” in Thessaloniki (Greece) and “ADOSECT”, which deals with site management, having job training (June- August 2003).
- Worked in an architect’s office drawing architectural plans (January 2005 -December 2005).

Attendance in Seminars/Conferences with a presentation

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| 2009 | ERSA Prepare Summer Institute 2009 : “Methodological Approaches of Public Investments Regional Allocation. A simple structured model”. |
| 2008 | 8 th Hellenic Conference “ Urban Development in Greece and the European Union” , Hellenic Department of the European Regional Science Association: “ Optimization of Regional Allocation of Public Investment: Review of Methodologies” |

Publications

- **Nikos D. Lagaros, Martha A. Geraki**, “The Effects of Construction Practices on the Seismic Performance of RC Frames with Masonry Infills”, Structural Engineering and Mechanics, Vol. 28, No. 1 (2008) 000-000.

Activities/Interests

- Attendance in Seminars/ Conferences:

2001	“1 st Hellenic Civil Engineering Student Conference” in Patra, Greece
2003	Conference: “The Role of the Civil Engineer in Greece - Career Perspectives Under the Current Developments” , Volos, Greece.
2003	“2 nd Hellenic Civil Engineering Student Conference” , Volos, Greece.
2003	Conference: “The new developments in cement’s quality – The Regulations for producing Concrete ‘97 – The Regulations for Producing Steel 2000” , Volos, Greece
2004	1 st Hellenic Conference in Hydrology and Water Resources : “Training, Research and new Technology in Hydrology and Environmental Management of Water Resources in Greece - Present Condition and Perspectives”, National Technical University of Athens, Athens, Greece.
2006	Seminar: “Analysis of the seismic behavior and design of restorations for historical buildings”, Aristotle University of Thessaloniki, Thessaloniki, Greece.
2008	Seminar: “Use of metallic elements in protection, conservation, and restoration of historical buildings”, Aristotle University of Thessaloniki, Thessaloniki, Greece.
2008	8 th Hellenic Conference “ Urban Development in Greece and the European Union” , Hellenic Department of the European Regional Science Association.
- Member of the “ Greek Women’s Engineering Association” (2006)
- Member of the “ Greek Association of the Civil Engineers” (2005)
- Member of the organizational committee of the 2nd Hellenic Civil Engineering Student Conference in Volos (2003).

6. DESCRIPTION OF RESEARCH WORK

Before starting my research on regional allocation of public investment I was interested on the seismic behavior of structures. My MSc was in seismic engineering. Since March 2007 and until October 2008 I was part of a research team for the “Improvement of the seismic behavior of bridges”. This research program was held in the Aristotle University of Thessaloniki, Greece.

Since October 2008 I am a Phd candidate in regional allocation of public investment in the University of Thessaly, Greece. My research now is on public investment in infrastructure. My aim is to suggest an optimization model that leads to the allocation of infrastructure taking into consideration a number of parameters such as social and economic.

10. INTENDED PRESENTATION

Title: Regional Allocation of Public Infrastructure

Abstract:

Regional allocation of public investment has been considered of a great interest over the years. The good relationship between public investment and the regional economic development is regarded to be granted for the applied regional economical politics. Regional policy uses investments as a basic developmental tool and it seeks for an effective allocation among the regions. For this reason between the basic tools of the regional politics for the development of the less developed regions is the increase of the investment on these regions, regarding basically infrastructure. In addition, national economic policy distributes investments aiming at both economic development of less developed regions and maximization of national product. Therefore, an effective allocation by the central government is of a great significance.

In this presentation, two methodological approaches, distributing public investment infrastructure in a two-region closed economy, will be critical reviewed. These models are found in the international bibliography. The features of these methodologies are described in a general context. The flaws and the possibilities of their application for real problem’s solution are analyzed. Finally, it is discussed whether there can be an application of either of the examined models on the case of Greece.