

Research Contract in **Agent Based Macroeconomics** within the FP7 project on Monetary, Fiscal and Structural Policies with Heterogeneous Agents (**POLHIA**)

**DEADLINE: November, 30 2009**

Applications are invited for a Research Contract in Agent Based Macroeconomics, tenable from January 1st 2010 for one year, renewable once, based in the Faculty of Economics at Catholic University in Milan.

The Research Contract is funded by the European Commission under the FP7 project **Monetary, Fiscal and Structural Policies with Heterogeneous Agents (POLHIA)**, led by Professor Domenico Delli Gatti and will involve research on how the financial conditions of heterogeneous interacting firms, households and intermediaries affect the performance of the macro-economy.

In order to answer this research question the researcher we are looking for should collaborate to the development of an Agent Based macro-dynamic model starting from the assumption that agents are characterized by different degrees of financial fragility (e.g. leverage). The model should then be brought to the data for empirical validation and calibration. Finally it must be used for policy experiments such as the role of monetary/fiscal/structural policies in accelerating or preventing the spreading of financial distress across the population of heterogeneous agents. Our final goal consists in providing a new toolkit to deal with urgent policy issues, namely the “exit strategy” from the current global financial crisis and the monitoring and management of systemic risk to prevent similar events in the future.

Applicants should send to [info.polhia@unicatt.it](mailto:info.polhia@unicatt.it)

- An application form (see below)
- a **CV** with a list of **publications**;
- a **Research Statement** describing the specific skills of the candidate in Agent Based modeling and the way in which these skills may be applied to answer the research question of the project (no more than 3 pages).

To complete the application **two confidential letters** of reference must be sent directly by the referees as an email attachment to [info.polhia@unicatt.it](mailto:info.polhia@unicatt.it) within the deadline of Nov. 30.

For further details (and an application) please go to the links below:

[www.polhia.eu](http://www.polhia.eu)

[Application form](#)

For any further questions, please feel free to write to Professor Domenico Delli Gatti: [domenico.delligatti@unicatt.it](mailto:domenico.delligatti@unicatt.it) (cc [tiziana.assenza@unicatt.it](mailto:tiziana.assenza@unicatt.it)), tel. +39 (0)2 7234 2499.

## APPLICATION FORM

### Personal details

Title

Family name

First name

Nationality

Date of birth (day, month, year)

Place of birth

Country of birth

Gender

Civil Status

Number of dependent children

### Knowledge of languages (fair, good, excellent)

Read

Spoken

Written

1

2

3

4

5

## **Address for correspondence**

Address

Post code/ZIP

City

Country

e-mail

Telephone

Fax

## **Academic/professional background**

Current position

Current Institution (name, location)

Highest degree obtained

Institution conferring degree

Date of award (day, month, year)

If currently completing doctoral degree, give title of thesis, institution conferring the degree and expected date of Ph. D. award

## **Referees**

### Referee 1

Title

Family name

First Name

Institution

e-mail

Telephone

Fax

### Referee 2

Title

Family name

First Name

Institution

e-mail

Telephone

Fax