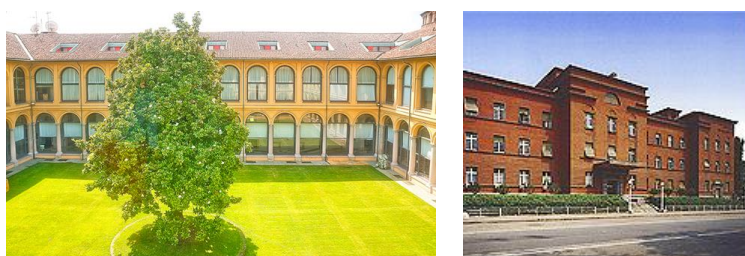


MARATONE 3rd Mandatory Training

Milan, June 16th – 20th 2014



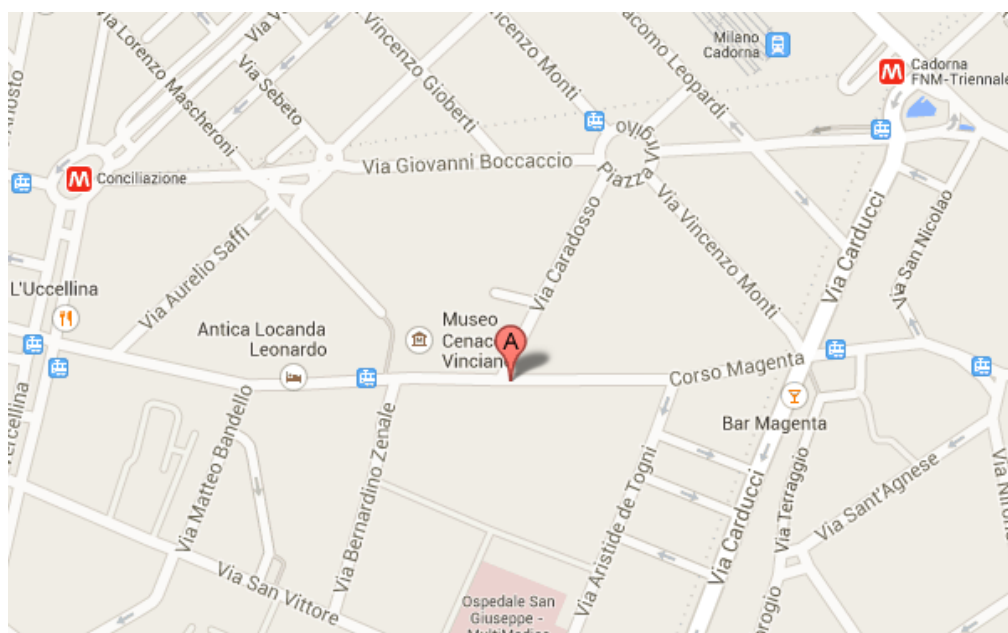
VENUES

Training in Project Management and Statistics I will take place in:

FONDAZIONE STELLINE/ CENTRO CONGRESSI

Corso Magenta 61, 20123 MILANO

www.stelline.it



Directions from Malpensa airport

<http://www.airportmalpensa.com/airport-train.html>

Directions from Bergamo airport

<http://www.bergamoairport.co.uk/bergamo-train-station/>

Directions from Linate airport

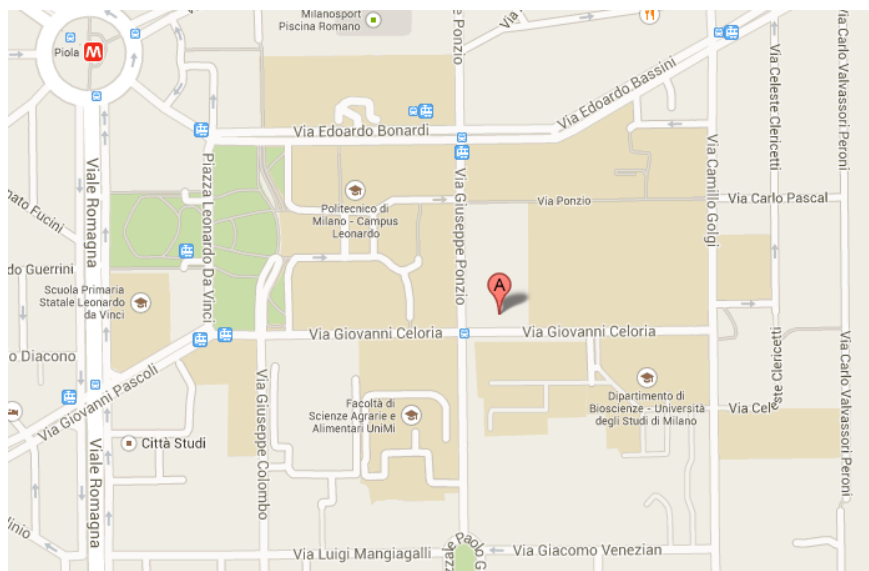
<http://www.milanolate-airport.com/en/directions-and-parking/by-bus>

The 'Research: networks and tools' workshop on Tuesday 17th June will take place in INNCB Library:

The Main Building

Via Giovanni Celoria 11, 20133 Milan

www.istituto-besta.com



Underground: Line 2 (green), Piola station (500 m from Besta)

Buses: Trolleybus 93, stop Ponzio-Celoria; Bus 61, stop Piazzale Gorini (200 m from Besta)

Trams: Nos. 23 and 33, stop Piazza Leonardo da Vinci (200 m from Besta)

Car: From the Eastern Tangential Motorway (Tangenziale Est), take the Forlanini exit, and go towards the city centre along Viale Corsica. At the third traffic light turn right into Via Lomellina and continue until you arrive at Via Ponzio. The Besta Institute is on the Right at the beginning of Via Ponzio

Rail:

- If you arrive at Stazione Centrale, take the Underground Line 2 (green) and get off at Piola
- If you arrive at Stazione Cadorna, take the Underground Line 2 (green) and get off at Piola
- If you arrive at Stazione Lambrate, (800 m from Besta) you can take Trolleybus No. 93, and get of at Ponzio-Celoria

Air:

- From Linate airport, take bus No 73 and get off at Vale Corsica- Vale Campagna; then take trolleybus No 93, and get off at Ponzio-Celoria.
- From Malpensa airport, take the Malpensa Express train to the centre of Milan (Stazione Cadorna) then take the Underground Line 2 (green) and get off at Piola (500 m from Besta).
- From Orio al Serio airport take the bus to Milano Centrale (centre of Milan) then take the Underground Line 2 (green) and get off at Piola (500 m from Besta).

<http://www.istituto-besta.com/Care.aspx?doc=How-to-Reach-Us>

AGENDA

Monday, June 16th 2014

Verdi Room

09:00 – 09:15 **Welcome**

Alarcos Cieza, University of Southampton

09:15 – 10:30 **How to become a good researcher:**

- Evolution of scientists professional profile
- Where we want to arrive?
- Attitude
- Scientific, technical and cultural knowledge
- Work modalities
- Publications: publish or perish

CFc Consulting, Milan

10:30 – 11:00 **Coffee Break**

11:00 – 13:00 **The research project:**

- General considerations
- DOs and DON'Ts
- Research project structure (workplan, deliverables, milestones, risks and contingency plans, teamwork)
- Public visibility of results

CFc Consulting, Milan

13:00 – 14:00 **Lunch**

14:00 – 15:30 **Management and organisation of your research project:**

- Basic principles
- Project manager (data management roles, administrative management)
- Data management organisation: examples of trees and checklists
- The “MARATONE tree”

CFc Consulting, Milan

15:30 – 16:00 **Coffee Break**

16:00 – 17:00 **Real cases:**

- Project starting up and management
- Steps after a Marie Curie ACTION

CFc Consulting, Milan

Tuesday, June 17th 2014

Verdi Room

09:00 – 10:00 **Doing PhD thesis research:** Statistics as a tool which will assist you in doing good quality research; overview of typical PhD thesis work and how knowledge of statistics can help; assessment of where everyone is in this process and what is needed in these workshops

Paul Jose, Victoria University of Wellington

10:00 – 11:00 **Characteristics of quantitative data:** variances, standard deviations, covariances, correlations, distributions (skewness, kurtosis, transformations). Implications of this information for choice of statistical test

Paul Jose, Victoria University of Wellington

11:00 – 11:30 **Coffee Break**

11:30 – 12:30 **Basic statistical tests of mean group differences:** chi-square, t-tests, analyses of variance (ANOVA, MANOVA, MANCOVA, repeated measures)

Basic statistical tests of associations: correlations, regression analyses (simultaneous inclusion; hierarchical; step-wise)

High-end statistical tests: logistic regression; multi-level modelling (MLM); structural equation modelling

Paul Jose, Victoria University of Wellington

12:30 – 13:30 **Lunch**

14:30 – 18:00 **Workshop: 'Research: networks and tools'**
Carlo Besta Neurological Institute - Via Giovanni Celoria 11
Main Library
(see attached programme for more details)

20:00 **Dinner**
Mamma Oliva (Via Vincenzo Monti 33)

Wednesday, June 18th 2014

Agnesi Room

09:00 – 10:30 **Psychometric theory:** reliability, different types of validity, classical measurement theory, Cronbach's alpha, identification of good and bad measures

Paul Jose, Victoria University of Wellington

10:30 – 11:00 **Coffee Break**

11:00 – 12:00 **Exploratory factor analysis (EFA):** rationale of when to use it, different criteria to use in choosing a factor structure, how to read factor loadings

Paul Jose, Victoria University of Wellington

12:00 – 13:00 **AMOS:** Introduction to the use of SEM in AMOS, aligning the SPSS dataset with AMOS models, drawing models

Paul Jose, Victoria University of Wellington

13:00 – 14:00 **Lunch**

14:00 – 16:00 **CFA in AMOS:** learning how to draw a confirmatory factor analysis in AMOS, model fit indices, error messages

Paul Jose, Victoria University of Wellington

16:00 – 17:00 **Coffee and Individual consultations**

Thursday, June 19th 2014

Agnesi Room

09:00 – 10:30 **Basic path models in AMOS:** translation of regression models in SPSS to path models in AMOS, model specification and model error, basic additive path model

Paul Jose, Victoria University of Wellington

10:30 – 11:00 **Coffee Break**

11:00 – 12:00 **Variations on path models:** multiplicative and sequential path models (moderation and mediation), logic and rationale for employing these variations

Paul Jose, Victoria University of Wellington

12:00 – 13:00 **Statistical mediation:** how to set up and test a basic mediation model in AMOS, bootstrapping, common pitfalls and misunderstandings

Paul Jose, Victoria University of Wellington

13:00 – 14:00 **Lunch**

14:00 – 16:00 **Statistical moderation:** how to set up and test a basic moderation model in AMOS, common mistakes, learning how to graph and interpret moderation results

Paul Jose, Victoria University of Wellington

16:00 – 17:00 **Coffee and individual consultations**

Friday, June 20th 2014

Agnesi Room

09:00 – 10:30 **Regression-based polynomial equations:** trying to identify the presence of curvilinear relationships

Paul Jose, Victoria University of Wellington

10:30 – 11:00 **Coffee Break**

11:00 – 12:00 **Using graphing tools to graph polynomials;** understanding that a polynomial relationship is a type of a moderation

Paul Jose, Victoria University of Wellington

12:00 – 13:00 **Multilevel modeling:** HLM-based mediation analyses of nested data

Paul Jose, Victoria University of Wellington

13:00 – 14:00 **Lunch**

14:30 – 16:00 **Multilevel modeling:** HLM-based moderation analyses of nested data; hybrid models

Paul Jose, Victoria University of Wellington

16:00 – 17:00 **Coffee and individual consultations**