

SELECTION OF ONE PROFESSOR (LEVEL 2), FOR THE ACADEMIC DISCIPLINE 13/A1 "ECONOMICS" AT THE INSTITUTE OF ECONOMICS - ACADEMIC CLASS OF SOCIAL SCIENCES, RESERVED FOR RESEARCHERS EMPLOYED AT THE SCHOOL PURSUANT TO ART. 24, SUBSECTION 6, OF ITALIAN LAW 240/2010, ISSUED BY RECTORAL DECREE NO. 373 DATED 07/07/2016.

FINAL REPORT

On November 10, 2016 at 5 p.m. at Scuola Sant'Anna the Commission met to review the selection process for the recruitment of one professor (level 2) for the academic discipline 13/A1 "Economics" at the Institute of Economics of the Scuola Superiore di Studi Universitari e di Perfezionamento Sant'Anna di Pisa, reserved for researchers employed at the School to be selected pursuant to art. 24, subsection 6 of the Italian law 240/2010.

The Commission, nominated by the Rector with decree No. 518/2016, consisting of:

- Prof. Giorgio Carlo Buttazzo, Full Professor of 09/H1 "Information Processing Systems" at the Scuola Superiore Sant'Anna, member of the Recruitment Commission;
- Prof. Giovanni Dosi, Full Professor of 13/A2 "Economic Policy" at the Scuola Superiore Sant'Anna;
- Prof. Katarina Juselius, Professor at the University of Copenhagen;
- Prof. Thomas Brenner, Professor at the University of Marburg;
- Prof. Francesco Guala, Full Professor of "13/A1 "Economics" at the University of Milano;
- Prof. Guido Buenstorf, Professor at the University of Kassel;

completed its work on the following days:

Preliminary meeting: on October 19, 2016, from 12 a.m. to 1.30 p.m. via teleconference

Second meeting: on November 10, 2016, from 5 p.m. to 6:15 p.m. at Sant'Anna School.

Prof. Katarina Juselius, Prof. Guido Buenstorf and Prof. Thomas Brenner participated to the meeting via teleconference.

The Commission held a total of 2 meetings, began its work on October 19, 2016 and concluded it on November 10, 2016.

In the preliminary meeting, the Commission nominated the President and Secretary. It was noted in

the minutes that each member declared that they had no kinship or affinity up to the fourth degree inclusive, either with each other or with the candidate Dr. Alessio Moneta. The Commission established the date by which their work would be concluded, the criteria for the assessment of the candidate.

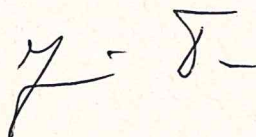
In the second meeting the Commission examined the publications, the CV and the teaching activity of the candidate, reviewed the individual assessments and produced a collective one. Eventually, after an exhaustive discussion, unanimously declared Alessio Moneta as the winner of the post, in accordance with the criteria stated in the call and on the basis of the evaluation of the candidate.

Read, approved and signed.

THE COMMISSION

Prof. Giovanni Dosi

President



Prof. Thomas Brenner,

Member

Prof. Guido Buenstorf

Member

Prof. Giorgio Carlo Buttazzo

Member

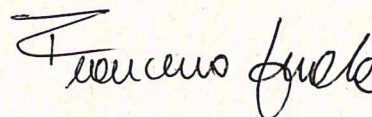


Prof. Katarina Juselius

Member

Prof. Francesco Guala

Secretary



Universität Kassel FB07 34109 Kassel

Wirtschaftspolitik, Innovation
und Entrepreneurship
*Economic Policy, Innovation and
Entrepreneurship Group*
Prof. Dr. Guido Bünstorf

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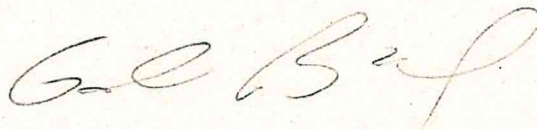
Assessment of Research and Publication Activities: Alessio Moneta

To Whom It May Concern

Alessio Moneta pursues three clearly distinct (albeit overlapping) strands of research: (i) causality in (macro) econometrics, (ii) evolution of consumer behavior, and (iii) conceptual issues in the methodology of economics. With these three fields of expertise, Moneta covers a comparatively broad range of topics. His work is mostly quantitative-econometric in nature, but reflecting his broad base of knowledge (first having been trained in philosophy) it often exceeds the conventional scope of empirical economics and addresses conceptual issues of fundamental relevance. I consider Moneta's work as highly innovative and important to the further development of our discipline. He has made original contributions to the various fields, and they have received substantial attention in the respective communities. Moneta is perhaps best known internationally for his work on graphical causal models. But also his contributions to consumer behavior have found considerable attention in the international scholarly community. Moneta has built an extensive network of scholarly collaboration. His collaboration partners include scholars from leading universities in Europe and the United States. He also has demonstrated his ability to successfully compete for third-party funding.

Moneta has published extensively, mostly in international peer-reviewed journals. Two of his publications appeared in highly ranked field journals in statistics/econometrics (*Journal of Applied Econometrics* and *Oxford Bulletin of Economics and Statistics*). Other methodological contributions have been published in internationally recognized outlets such as *Empirical Economics* and the *Journal of Economic Methodology*. Among the contributions focusing on consumer behavior, Moneta's history-of-thought piece in the *Journal of Economic Perspectives* stands out, but also his other contributions have been placed well in respectable field journals such as the *Journal of Evolutionary Economics* or the *Cambridge Journal*. In light of the highly original nature of Moneta's work - which does not facilitate its publication - I consider his publication record as very good. The same can be said about the citations his work has received. Many of Moneta's papers are still rather recent, but the number of early citations they captured is promising.

Moneta's track record would clearly qualify him for a full professorship at my home institution. I consider him an excellent candidate for the position he is considered for at Sant' Anna School. Based on his prior achievements I expect to see many more important contributions from him.

A handwritten signature in cursive script, appearing to read 'G. B. Buenstorf', written in dark ink on a light-colored paper.

Professor Dr. Guido Buenstorf

Fachbereich Geographie
Wirtschaftsgeographie und
Standortforschung

Prof. Dr. Dr. Thomas Brenner

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Marburg, 10.11.2016

Assessment of the Research and Publication Activities of Alessio Moneta

To Whom it May Concern

Most of the research and publication activities of Alessio Moneta are econometric works, in which very elaborated methods are used. He is especially well known for his work on causal econometrics. He is one of the well-known experts in this field and has made a number of innovative contributions to the research front in this area. Besides his econometric expertise, his research output also shows that he is also a deep thinking person. Some of his papers address very fundamental issue and show a very deep conceptual understanding.

Besides econometric issues, many of Alessio Moneta's papers address issues in the field of consumption. The contributions in this field are innovative and open new ways of treating these issues. Although his contributions are in many cases rather non-main stream, he has managed to publish his papers in international, peer-reviewed and well-known journals, some of which are very high ranked. Hence, the publication record of Alessio Moneta is very good, according to my evaluation. His works have received a lot of attention in the scientific community and are well-cited.

Many of the publications are joint works with other researchers. The various different co-authors are originating from different countries, showing that Alessio Moneta has been able to establish a wide and diverse collaboration network. This also shows that he is highly visible and valued in the scientific community. Furthermore, he has gained a good amount of third-party funding in the past, partly again in cooperation with other researchers.

All his activities and his very good research output so far show that Alessio Moneta is well established in the research community and has a clear and innovative research program that is valuable and appreciated in the community. I expect him to continue this successful scientific path and consider him an excellent candidate for the position at Sant' Anna School that he is considered for. He has definitely the scientific record that qualifies him for a professor position.

Prof. Dr. Dr. Thomas Brenner

9 November 2016

Associate Professorship at Scuola Superiore Sant'Anna, Pisa

Candidate: Alessio Moneta

Formal Requirements: Dr Moneta satisfies the requirements to attain an Associate Professorship in Italy – he holds a PhD in Economics (2004, Scuola Superiore Sant'Anna) and two habilitations for associate professorship, in Economics (13/A1) and Economic Policy (13/A2), obtained respectively in 2014 and 2013.

Academic positions: Dr Moneta has held post-doc positions at the Scuola Superiore Sant'Anna and at the Max Planck Institute of Economics in Jena (Germany). He is currently an Assistant Professor (Ricercatore) at the Scuola Superiore Sant'Anna. It is now a natural career step for him to apply for an Associate Professorship in economics.

International experience: Dr Moneta is a researcher who is fully integrated in the international academic community. He has spent five years in Germany as a postdoc (see above), and has visited important research institutions (e.g. Erasmus University Rotterdam, Carnegie Mellon University, Carlos III Madrid) for extended periods when he was a graduate student.

Grants and fellowships: Dr Moneta so far has demonstrated a remarkable ability to obtain funding, in spite of the theoretical/methodological orientation of much of his research. His most significant achievements are a 2016 grant by the Institute of New Economic thinking (70.000 USD, as PI) and a 2016 Australian Research Grant (273.000 AUD, as partner investigator). He is also responsible for a WP in a Horizon 2020 project. His ability to obtain international grants is particularly important for the Scuola Sant'Anna, given the scarcity of research funds that are currently available in Italy.

Editorial duties, conferences, workshops, etc. : Dr Moneta is an active participant at international conferences, and is regularly invited to give talks in international departments and workshops. His level of activity is exactly what one should expect for a scholar at this stage of career. Moreover, he has been organizing seminars and workshops both in Pisa and Jena. On the editorial front, he is an associate editor of *Behaviormetrika* (Springer) and he referees regularly for several journals (across at least three different disciplines).

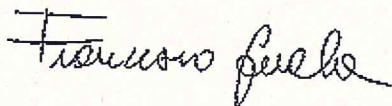
Teaching: Dr Moneta has acquired a considerable teaching experience, both in his fields of specialization (like Methodology of Economics, Causality and Econometrics) and in general courses such as Advanced Macroeconomics, Probability Theory, and History of Economic Ideas. He has taught both at undergraduate and post-graduate level (including PhD).

Research: Dr Moneta is a prolific researcher, with a total output of 28 publications (including reviews) over a period of twelve years. His research is interdisciplinary and covers at least three different fields of research – economics (especially econometrics), philosophy of science, and artificial intelligence. Interdisciplinarity is a tricky business, and there are in my view two ways of doing it: one is to carve out a specialist niche where researchers address research questions that are not addressed by existing disciplines; another one is to combine concepts and tools borrowed from more than one scientific field to address (and, hopefully, solve) outstanding problems of the parent disciplines. The latter is, in my view, the correct and most exciting way of interpreting interdisciplinarity, and Dr Moneta provides a clear example of how it may be practiced. Dr Moneta

was one of the first researchers to apply a technique of causal inference developed by philosophers of science and AI theorists (directed causal graphs) to econometrics, and in particular to VAR models. His research has appeared in top field journals in the philosophy and methodology of economics, and has gained him a reputation as one of the most brilliant researchers of his generation working on causal inference. Although I am not an expert in the area of demand analysis, I his joint research with Andreas Chai on Engel curves also strikes me as being of the highest quality. Moreover, the *Journal of Economic Perspectives* article stands out as a very remarkable achievement for such a young researcher. Finally, the methodological papers on agent-based models are highly cited already, and demonstrate his potential to become a major player in this area of research as well.

Overall, Moneta's research is well above what one would expect from an Associate Professor in terms of originality, rigor, methodological relevance, continuity, and impact. It is also coherent with the topics and themes covered by the disciplinary area 13/A1 of the Italian system of academic classification (Economics/Political Economy). For this reason, and for all the reasons outlined above, I recommend without hesitation that he is awarded the title of Associate Professor at Scuola Superiore Sant'Anna.

Sincerely,

A handwritten signature in black ink, appearing to read "Francesco Guala". The signature is written in a cursive style with a horizontal line above the first few letters.

Professor Francesco Guala
Università degli Studi di Milano

Assessment of Alessio Moneta (41 y) for an associate professorship in Economics at the University of Pisa.

Formal requirements:

Alessio defended his doctoral dissertation in 2004, with the title “*Graphical causal models and VAR-based macroeconometrics*.”

Alessio obtained scientific habilitation for associate professorship, Economics (13/A1), 2014 and for associate professorship, Political Economy (13/A2), in 2013.

Academic positions: Alessio was a post doc fellow at Scuola Superiore Sant’Anna, Pisa, 2004 – 2006, a research fellow, Max Planck Institute of Economics, Jena (Germany), 2006 – 2011, and since December 2011 has been an assistant professor of Economic Policy, Scuola Sant’ Anna, Pisa.

International experience: Alessio has visited various internationally renowned universities:

1. Erasmus Institute for Philosophy and Economics, Erasmus University of Rotterdam (Netherlands), January - June 2004.
2. Department of Philosophy, Carnegie Mellon University, Pittsburgh, PA (USA), April 2002 - August 2003.
3. Doctoral School in Economics, University Carlos III, Madrid (Spain), October 2001 - March 2002.
4. Department of Philosophy, Carnegie Mellon University, Pittsburgh, PA (USA), January - July 2001.
5. Philosophy and History, Ruhr-Universität-Bochum (Germany), October 1996- July 1997.

Grants and fellowships: Alessio has been awarded an INET (Institute of New Economic Thinking) grant for the project: *Causal analysis in economics: philosophical underpinnings and econometric tools for non-standard settings* (2016-2017, 70,000) and (as a partner investigator) an ARC (Australian Research Grant) grant for the project: *Energy Efficiency Innovation, Diffusion and the Rebound Effect* (2016-2018, 273,000 AUD where the chief investigator is the well-known scholar, David Stern, Australian National University. He has also been co-responsible of a working package (WP6) in the project “Innovation-fuelled, Sustainable, Inclusive Growth,” funded by the European Union Horizon 2020.

Alessio obtained Huygens Fellowship by the Dutch government in 2004 and a Marie Curie Fellowship by the EU Commission in 2001-2002.

Editorial duties, conferences, workshops, etc.

Alessio is associate editor of *Behaviormetrika*, Springer, has acted as a referee for numerous academic journals and publishers, and has been organizing seminar series, workshops, conferences etc.

Teaching: Alessio has an experience of teaching econometrics, advanced macroeconomics, statistics and the methodology of economics both at an undergraduate, graduate and postgraduate level and has been supervising Bachelor, Master and PhD theses.

Research: Alessio is a very productive researcher with roughly 2 to 3 publications per year, many of them published in very prestigious journals. He has covered a broad range of fields, focusing in particular causal inference in macroeconomics, causal model search and evaluation, empirical analysis of consumption patterns, philosophy and the methodology of economics.

Altogether Alessio Moneta gives an impression of a highly talented and engaged scholar. In particular Alessio’s strong interest in the methodology of economics and econometrics is in my view highly valuable as unfortunately few economists seem to have any interest in this important field. I myself would be delighted

to have Alessio Moneta as one of my colleagues at the Economics Department in Copenhagen and would like to congratulate Scuola Sant' Anna for getting such a good applicant.

Copenhagen, 3.11.2016
Katarina Juselius

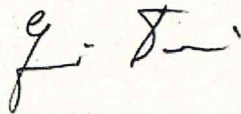
ALESSIO MONETA - INDIVIDUAL ASSESSMENT

I have known Dr. Moneta since the days of his Ph.D. Dr. Moneta shows since an important scientific record in several areas of economic research, including econometrics (both theory and applied), consumption, applied macroeconomic, and economic methodology.

His works are rigorous, original, and indeed increasingly visible at international level (on November 10, 2016: H-index 12 and 996 citations in Google Scholar).

His promotion is wholeheartedly recommended.

Prof. Giovanni Dosi

A handwritten signature in black ink, appearing to read 'G. Dosi', written in a cursive style.

Annex 2 – Collective Assessment

Alessio Moneta pursues three clearly distinct (albeit overlapping) strands of research: (i) causality in (macro) econometrics, (ii) evolution of consumer behavior, and (iii) conceptual issues in the methodology of economics.

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Overall, Moneta's research is well above what one would expect from an Associate Professor in terms of originality, rigor, methodological relevance, continuity, and impact. It is also coherent with the topics and themes covered by the disciplinary area 13/A1 of the Italian system of academic classification (Economics/Political Economy). His teaching record is very good, not only in his specialist fields of expertise, but also in general topics such as Macroeconomics and History of Economic Thought. Furthermore, he has gained a good amount of third-party funding in the past, partly again in cooperation with other researchers. For all these reasons, we recommend without hesitation that he is awarded the title of Associate Professor at Scuola Superiore Sant'Anna.

