

**SELECTION OF ONE ASSOCIATE PROFESSOR FOR THE ACADEMIC RECRUITMENT FIELD 13/A4 ‘APPLIED ECONOMICS’ AT INSTITUTE OF ECONOMICS - ACADEMIC CLASS OF SOCIAL SCIENCES, PURSUANT TO ART. 24, SUBSECTION 5, OF ITALIAN LAW 240/2010, ISSUED BY RECTOR DECREE NO. 294 DATED 22/05/2019**

The Committee for the evaluation of Dr. Arianna Martinelli, tenure-track–probationary assistant professor, in the third year of her temporary contract pursuant to Italian Law no. 240/2010, art. 24 paragraph 3 letter B, in order to promote her to Associate Professor in the Academic Recruitment Field 13/A4 ‘Applied Economics’ at the Institute of Economics, nominated by the Rector by decree No. 461 dated 10/07/2019, is composed of:

- Prof. Giovanni Dosi, Professor of the Macro-sector 13/A Economics at the Scuola Superiore Sant’Anna, expert designated by the Institute of Economics;
- Prof. Floor Alkemade, Professor at the Eindhoven University of Technology;
- Prof. Franco Malerba, Professor of the Academic Recruitment Field 13/A4 ‘Applied Economics’ at the Bocconi University;
- Prof. Valentina Meliciani, Professor of the Academic Recruitment Field 13/A4 ‘Applied Economics’ at the LUISS University;
- Prof. Maria Savona, Professor at the University of Sussex;
- Prof. Fabio Recchia, Professor of the Academic Recruitment Field 05/D1 Physiology at the Scuola Superiore Sant’Anna, member of the Recruitment Committee.

The Committee convened on September 3, 2019, at 17:00 via teleconference, from the following locations:

Prof. G. Dosi located in Milano, connected via Skype <giovanni-dosi> and email <giovanni.dosi@santannapisa.it>

Prof. F. Alekamde located in Eindhoven, connected via Skype <floortje.alkemade> and email <F.Alkemade@tue.nl>

Prof. F. Malerba located in New York, connected via Skype <francomalerba> and email <franco.malerba@unibocconi.it>

Prof. V. Meliciani located in Roma, connected via Skype <live:838cb715db12a667> and email <vmeliciani@luiss.it >

Prof. M. Savona located in Brighton, connected via Skype <cipputi\_gypsy> and email M.Savona@sussex.ac.uk

Prof. F. Recchia located in Noci (Bari), connected via Skype <fabio.recchia11> and email <f.recchia@santannapisa.it>

The following draft of the minutes was agreed on and approved by the members of the Committee.

Pursuant to art. 5 paragraph 2 of Legislative Decree no. 1172/1948, each member declared to have no kinship or affinity up to the fourth grade with any of the other members and with the candidate, that there are no reasons to abstain in relation to art. 51 of c.p.c. and that he/she is not in any situation, actual or potential, of conflict of interests with the candidate (as per art. 6 bis of the Legislative Decree No. 241/1990).

Prof. Giovanni Dosi was nominated as President and Prof. Valentina Meliciani as Secretary.

The Committee then reviewed the Call - especially article 4 - and agreed that the candidate shall be assessed according to the parameters established by Ministerial Decree 344/2011, in relation to the compliance of the scientific profile with the 'general criteria of qualification for teaching and research required to access professorial positions at the School' established by the Sant'Anna Commission for Recruitment and set out in article 1 of the Call.

The members of the Committee stated that Sant'Anna Personnel Office provided them with an electronic copy of the documentation submitted by the candidate containing: application, curriculum, publications with a declaration in lieu of an affidavit certifying compliance with the original, and a list of all the documents accompanying the application.

Having examined the publications, curriculum and teaching activities of the candidates, each member of the Committee provided his/her individual assessment, which is reported in Annex 1 of these minutes.

The Committee then jointly examined publications, curriculum and teaching activities of the candidate, compared the individual assessments, and reviewed the collegial assessment, attached to the minutes as Annex 2, which is an integral part thereof.

Then after a comprehensive discussion, the Committee unanimously declared that Dr. Arianna Martinelli:

is qualified to be appointed as associate professor.

Prof. Recchia (Member of the Recruitment Committee) testified that the evaluation of the candidate, the presentation of the individual assessments, the following discussion and, in general, the whole procedure occurred in full compliance with the rules established by Scuola Sant'Anna and its recruitment committee.

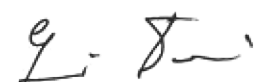
Given the conclusion of the selection procedure for a position of associate professor at the Institute Economics in the Academic Class of Social Sciences, for the Academic Recruitment Field 13/A4 'Applied Economics', pursuant to art. 24, subsection 5 of Italian law 240/2010, the President declared the procedure closed.

These minutes, drawn up and signed by the President, and the attached declarations of the Committee's members, will be sent the Personnel Office in order for these proceedings to be verified, with a decree by the Rector.

The session closed at 17:30.

Read, approved and signed,

The President

  
Prof. Giovanni Dosi

## ANNEX 1

### INDIVIDUAL ASSESSMENTS

#### **FLOOR ALKEMADE**

**Research Activity skills:** The candidate has a clear scientific profile where she engages her quantitative skills and knowledge of the patent system to team up with other researchers. This strategy has led to several good papers, as also evidenced by several invited speaker invitations at international conferences. When evaluated taking career stage in mind (8 years after PhD). The publication record of the candidate does not stand out in terms of number of publications. However, the publications are of good quality, published in good journals (2 times Research Policy) and several are highly cited. I would evaluate the candidate as good but not outstanding in an international context.

**Teaching activity skills:** The candidate has been involved in both undergraduate and post-graduate education. She also lectured in PhD courses outside her home institution Sant'Anna which gives evidence of her expertise and qualifications. In addition, she was involved in PhD supervision. The CV does not provide insight into teaching evaluations. Regarding teaching, she fulfils the criteria.

**Participation in research projects:** The candidate has been involved in several H2020 and other research projects funded through competitive calls, although never as principal investigator. The CV provides some evidence of fundraising ability for a network grant (DIME). Regarding participation in research projects, she fulfils the criteria.

**Publishing activity:** The CV shows no evidence of editorial roles.

#### **GIOVANNI DOSI**

In view of the possible confirmation as Associate Professor, my evaluation is entirely positive, on the grounds of (i) the number of scientific publication, their originality, the quality of the venues where they appeared; (ii) her teaching record; (iii) her international visibility; (iv) her participation to the governing activities of Sant'Anna.

The scientific level of her contributions belongs to the broad field of the economics of innovation and addresses, with several novel insights, diverse aspects including the drivers of knowledge accumulation; the relationship among innovation, IPR regimes and profitability; the interaction between corporate acquisition strategies and innovative activities; the nature and efficiency of different national systems of innovation.

Her international visibility is witnessed by the numerosity of academic events to which she has been invited, the journals where she has recently published and her citations patterns.

Finally, Dr. Martinelli has been elected to the Senate of the Sant'Anna, and she is continuously giving an active and lively contribution to its decisions.

#### **FRANCO MALERBA**

I have a quite positive evaluation of Arianna Martinelli in terms of scientific publications, participation to EU funded research projects and teaching activities.

Martinelli has published several relevant articles on measuring technological trajectories and paradigms through patent citations and on the innovation activities by Chinese and Indian multinational corporations. These articles are in the top journals of the field: Research Policy, Journal of Economic Geography and World Development. She has also published other interesting

articles in very good international journals such as Journal of Evolutional Economics and the Journal of Technology Transfer. Her empirical contributions show excellent quantitative strength, advanced ability to develop cutting-edge methodologies and solid skills to handle large databases in order to answer relevant research questions.

Martinelli has been a referee in the top journals in the field of economic and management of innovation and technological change.

She has also been active in several European research projects funded through competitive calls.

In terms of teaching activities, Martinelli has taught in the Ph.D. program of Scuola Superiore Sant'Anna and of other European Universities.

For all these reasons, I strongly support the promotion of Arianna Martinelli to the position of Associate Professor in the Academic Recruitment Field 'Applied Economics'.

### **VALENTINA MELICIANI**

**Research Activity skills:** Arianna Martinelli has published five papers in international journals over the contract period mainly in the area of the economics of innovation. Most of the journals where her research has been published are highly ranked internationally, including Research Policy and Journal of Economic Geography. The quality and scientific impact of her research is high.

**Teaching Activity skills:** Arianna Martinelli's teaching activity includes mainly PhD courses inside and outside the Scuola Superiore Sant'Anna School. She has also supervised students at the undergraduate and postgraduate level. The teaching activity testifies her specialized knowledge in the field of innovation.

**Participation in research projects:** Arianna Martinelli has been involved in research projects funded through competitive calls. In particular, she has been Member of the Sant'Anna Unit in the *PRIN2017 Project: Technological change, industry evolution and employment Dynamics*; Subcontractor for the project on standard essential patents awarded by the Joint Research Council (JRC) of the European Commission; Member of the Sant'Anna Unit of the H2020 Project: GROWINPRO-Growth Welfare Innovation and Productivity financed by the European Commission and Member of the Sant'Anna Unit of the H2020 Project: ISIGROWTH-Innovation-fueled, Sustainable, Inclusive Growth in Europe financed by the European Commission.

Overall participation in national and international projects testifies her strong involvement in the scientific community.

**Overall evaluation:** Arianna is an internationally well-known scholar in the field of innovation and its impact on the development of firms, sectors, and countries. More recently she has also contributed to the literature studying the role played by multinational enterprises on global patterns of innovative activities. Arianna has worked continuously and has produced original results always using rigorous empirical methodologies. She has published in highly ranked international journals and received a good number of citations.

Her research activity, teaching activity and participation in national and international projects signal her scientific and academic skills and the relevance of her work for the national and international community.

### **MARIA SAVONA**

**Research Activity skills:** Dr Martinelli has proven over the contract period a substantial and coherent applied research activity, within the area of the economics of innovation, around themes

related to the analysis of IPR, technological trajectories, technology transfer in developing contexts and innovation systems. Dr Martinelli has shown a substantial ability to create and maintain research networks across the different institutions that she has been affiliated with. The number and quality of publications is certainly consistent with a role of Associate Professor.

**Teaching Activity skills:** Dr Martinelli has been involved in several post graduate courses within and outside the School, related to her research expertise. There is a growing pattern of teaching contact hours and supervision activity over the contract period. Although students' evaluations are not provided, the reiteration of PG teaching shows favourable evaluations.

**Participation in research projects:** Dr Martinelli has participated in several national and European research projects, with roles that are consistent with her research expertise and have resulted in high quality research outputs. Albeit not in a principal investigator role, she has contributed to the Sant'Anna School being awarded very competitive bids. Dr Martinelli has a high potential to manage research projects.

**Publishing activity:** Dr Martinelli is an active scholar in the research community within the Economics of Innovation area. Although not formally part of editorial boards, her peer review activity – including that conducted for Research Policy of which I am an Editor – is of high quality.

## ANNEX 2

### COLLEGIAL ASSESSMENT

**Research Activity skills:** Arianna Martinelli has published five papers in international journals over the contract period mainly in the area of the economics of innovation around themes related to the analysis of IPR, technological trajectories, technology transfer in developing contexts and innovation systems.. Most of the journals where her research has been published are highly ranked internationally, including *Research Policy*, *Journal of Economic Geography* and *World Development*. The quality and scientific impact of her research is high.

**Teaching Activity skills:** Arianna Martinelli's teaching activity includes mainly PhD courses inside and outside the Scuola Superiore Sant'Anna School. She has also supervised students at the undergraduate and postgraduate level. The teaching activity testifies her specialized knowledge in the field of innovation.

**Participation in research projects:** Arianna Martinelli has been involved in research projects funded through competitive calls. In particular, she has been Member of the Sant'Anna Unit in the *PRIN2017 Project: Technological change, industry evolution and employment Dynamics*; Subcontractor for the project on standard essential patents awarded by the Joint Research Council (JRC) of the European Commission; Member of the Sant'Anna Unit of the H2020 Project: *GROWINPRO-Growth Welfare Innovation and Productivity* financed by the European Commission and Member of the Sant'Anna Unit of the H2020 Project: *ISIGROWTH-Innovation-fueled, Sustainable, Inclusive Growth in Europe* financed by the European Commission.

Overall participation in national and international projects testifies her strong involvement in the scientific community.

**Publishing and Editorial activity:** Arianna Martinelli is an active scholar in the research community within the Economics of Innovation area. Although not formally part of editorial boards, her peer review activity – including that conducted for top quality international journals is of high quality.

**Overall evaluation:** Arianna is an internationally well-known scholar in the field of innovation and its impact on the development of firms, sectors, and countries. More recently, she has also contributed to the literature studying the role played by multinational enterprises on global patterns of innovative activities. Arianna has worked continuously and has produced original results always using rigorous empirical methodologies. She has published in highly ranked international journals and received a good number of citations.

Her research activity, teaching activity and participation in national and international projects signal her scientific and academic skills and the relevance of her work for the national and international community.

For all these reasons, the Commission unanimously agrees to the promotion of Arianna Martinelli to the position of Associate Professor in the Academic Recruitment Field of 'Applied Economics'.