



DELIBERA

Organo	COMITATO PER IL RECLUTAMENTO E LO SVILUPPO DELLE CARRIERE
Data seduta	25 settembre 2018
Sede	Via Calepina 14, Trento – riunione telematica
Oggetto	Valutazione di ricercatore di cui all'art. 24, comma 3, lett. b), L. 240/2010 ai fini della chiamata nel ruolo di professore associato: dott. Daniele FONTANELLI, Dipartimento di Ingegneria Industriale.
Allegati	-

Sono presenti alla deliberazione:

VALENTINA NIDER	Presidente	P
ALBERTO BELLIN	Componente	P
YURI BOZZI	Componente con funzioni di segretario	P
LUCA NOGLER	Componente	P
RAUL PAOLO SERAPIONI	Componente	P

Visto lo Statuto dell'Università degli Studi di Trento emanato con D.R. 167 del 23.04.2012;

Vista la legge 30 dicembre 2010 n. 240 "Norme in materia di organizzazione delle Università, di personale accademico e reclutamento, nonché delega al Governo per incentivare la qualità e l'efficienza del sistema universitario" e in particolare l'art. 24, comma 5;

Visto il Regolamento per il Reclutamento e la progressione di carriera di professori e ricercatori, emanato con D.R. n. 563 del 29 ottobre 2013 e in particolare l'art. 32 "Valutazione dei titolari dei contratti di cui all'art. 20, comma 1, lettera b) del presente Regolamento ai fini della chiamata nel ruolo di professore associato";

Visti i "Criteri per la valutazione dei ricercatori a tempo indeterminato con contratto di cui al comma 3, lettera b), dell'art. 24 della Legge 240/2010, ai fini della chiamata nel ruolo di professore associato", approvati dal Comitato per il Reclutamento e lo Sviluppo delle Carriere nella seduta del 21 luglio 2015;

Vista la delibera del Consiglio del Dipartimento di Ingegneria Industriale del 20 giugno 2018, con la quale si esprime parere favorevole all'inquadramento del dott. **Daniele FONTANELLI** nel ruolo di professore associato per il settore concorsuale 09/E4 (Misure), settore scientifico disciplinare ING-INF/07 (Misure elettriche e elettroniche);

Vista la propria delibera del 27 luglio 2018, con la quale sono stati individuati i referee esterni chiamati a valutare la maturità scientifica e didattica del dott. **Daniele FONTANELLI** nel ruolo di professore associato per il settore concorsuale 09/E4 (Misure), settore scientifico disciplinare ING-INF/07 (Misure elettriche e elettroniche);

Viste le valutazioni espresse dai tre referee sul profilo del dott. **Daniele FONTANELLI**, di cui sono riportati di seguito alcuni estratti:

Referee 1:

Dr. Daniele Fontanelli has given a significant contribution to research in the field of Instrumentation and Measurement oriented to some important applications, such as Robotics (with particular attention to estimation algorithms, localization and vision control), Control and Automation (with emphasis to wireless sensor network), and Distributed Measurement Systems (with particular attention to clock synchronization and synchrophasor estimation).

During the last three years, Dr. Fontanelli's research activity has mainly focused on measurement methods and instruments for the analysis and monitoring of Smart Power Grids, (with emphasis to the development of innovative Phasor Measurement Units - PMUs) and Localization (including indoor localization) of co-robots. Both activities show great importance in contributing to industrial innovation, since the first topic is critical for the development of modern and efficient smart grids, and the second topic is critical for production in the framework of Industry 4.0.

Dr. Fontanelli has also been active in receiving financial funds for his research work, having been either principal investigator or investigator on several research projects, including a H2020 project.

Synthetically, the research activity of the last three years, has been summarized in 9 papers published on important international scientific journals and 28 papers published on the proceedings of international congresses, some of which are fully peer-reviewed. The SCOPUS database shows, as of today, 107 documents, 825 citations (484 without self-citations of all authors) and a h-index equal to 15 (12 without self-citations of all authors). These are, in my opinion, excellent results when compared with the data related to researchers in the same fields, especially when compared with researchers of the same age as Dr.



Fontanelli.

I am familiar with some of the papers authored by Dr. Fontanelli [...]. I can say that these papers show a strict methodological approach, a complete experimental validation of the proposed methods and a strict metrological analysis of the obtained results. This positive evaluation of Dr. Fontanelli's achievements is also confirmed by the received outstanding paper award, while the outstanding reviewer award received twice by the IEEE Transactions on Instrumentation and Measurement confirm his strictness and diligence in accomplishing the assigned tasks.

The submitted CV shows also a significant teaching activity during the last three years, activity that has not been confined only to class hours, but has also included the supervision of several Master and PhD thesis, thus proving Dr. Fontanelli's attitude to work as a team leader and form new generations of researchers. In conclusion, I am very favourably impressed by Dr. Fontanelli's activity, and I do believe that he has reached the level of scientific maturity needed for being promoted to the position of Associate Professor.

Referee 2:

It is my great pleasure to provide this letter for Dr. Daniele Fontanelli as he secures the tenured Associate Professor position in University of Trento.

[...] I am delighted to recommend you Dr. Daniele Fontanelli, and to write this letter on his behalf. [...] I hope my prospective will be helpful to you in your evaluation of this exceptional and talented candidate.

[...]

Dr. Fontanelli has constantly shown an outstanding capability of conceiving and implementing very original and very solid technical solutions. In addition to this, his research has always been characterized by a very high potential for social and industrial impact. The quantity and quality of Dr. Fontanelli's achievements is also demonstrated by the record of publications and awards.

Regarding to activities related to the society, he served as an organizing committee member, a program committee member, and associate editor of a number of high -quality international conferences.

I have no doubt that Dr. Fontanelli is an outstanding researcher, and contribute to advance the state-of-the-art in human-robot interaction. Therefore, he has my highest recommendation in this letter.

Referee 3:

CONCLUSION

Strong points

- *The contributions of the candidate in the field of control and instrumentation and measurement are very significant given the high-quality journals (Q1) in which the results are published. The contribution in the field of robotics are significant but publications are sometimes made in less prestigious journals (Q4).*
- *The scientific output over his whole career and especially the last three years is impressive.*
- *Very active in European projects.*
- *Impressive services to Society*
- *Large teaching experience*

Weak points

- *Services to the faculty and/or university are unclear.*
- *(Co-)supervision of PhD students is unclear.*
- *No student teaching evaluations.*
- *International network?*

Given the strong points and the fact that the candidate can easily improve the weak points I strongly recommend the candidate for his promotion to Assistant-professor at the University of Trento.

Visto il curriculum vitae del dott. **Daniele FONTANELLI**;

Con voto unanime;

Delibera

1. di formulare la seguente valutazione del dott. **Daniele FONTANELLI**, ai fini della chiamata ai sensi dell'art. 24 comma 5, L. 240/2010 nel ruolo di professore associato per il settore concorsuale 09/E4 (Misure), settore scientifico disciplinare ING-INF/07 (Misure elettriche e elettroniche):

*I giudizi espressi dai referee esterni sul contributo scientifico, la qualità dell'attività di ricerca e l'esperienza professionale del dott. **Daniele FONTANELLI**, nonché sulla coerenza del suo profilo con i requisiti attesi per il ruolo di professore di seconda fascia, sono molto positivi.*

*A seguito di attenta valutazione del curriculum e delle pubblicazioni, e sulla base dei giudizi formulati dai referee, il Comitato ritiene il profilo scientifico del candidato pienamente adeguato al ruolo ed esprime parere favorevole alla chiamata del dott. **Daniele FONTANELLI** nel ruolo di professore associato per il settore concorsuale **09/E4** (Misure), settore scientifico disciplinare **ING-INF/07** (Misure elettriche e elettroniche).*