



DELIBERA

Organo	COMITATO PER IL RECLUTAMENTO E LO SVILUPPO DELLE CARRIERE
Data seduta	23 ottobre 2018
Sede	Via Calepina 14, Trento – seduta 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. Davide BRUNELLI, Dipartimento di Ingegneria Industriale.

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 aprile 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. **Davide BRUNELLI** nel ruolo di professore associato per il settore concorsuale 09/E3 (Elettronica), settore scientifico disciplinare ING-INF/01 (Elettronica);

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. **Davide BRUNELLI** nel ruolo di professore associato per il settore concorsuale 09/E3 (Elettronica), settore scientifico disciplinare ING-INF/01 (Elettronica);

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

Referee 1:

Since 2013 Dr. Davide Brunelli has been an Assistant Professor at the Department of Industrial Engineering, University of Trento. The research activity of Dr. Brunelli is in the field of computing system architecture, with special emphasis on low-power applications and embedded systems, energy-efficient ambient intelligence systems, sensors and sensor networks. The investigated topics are of current scientific interest and relevance in a wealth of applications.

With specific reference to the last 3 years, as reported in the provided CV, Dr. Brunelli has carried out an intense and continuous research activity documented in publications with co-authors also from different institutions and countries, demonstrating his involvement in productive national and international collaborations.

He has participated over the years in funded research projects, occasionally even with coordination roles. He has given invited talks and has been active in the organization of international conferences. He has been awarded national and international prizes for best papers and collaborative research achievements. He is also co-inventor in a PCT patent application and co-founder of a start-up company.

Since 2010 Dr. Brunelli has been teaching the course of Embedded systems. He has served as member of PhD schools in the past, while apparently not at present.

As far as the scientific productivity according to Scopus database, the publications of Dr. Brunelli in the years 2015 to present are 79, including papers in peer-reviewed journals, contributions in international conference proceedings and book chapters. In one publication Dr. Brunelli is single author. As an indicator of the degree of impact and diffusion of his whole research production, Dr. Brunelli, remarkably, features a h index of 32, which decreases to 26 if self citations are not considered.

Overall and on the basis of the provided CV, Dr. Brunelli documents a significant degree of activity on a comparatively wide spectrum of topics, he delivers the impression of dedication and notable ambition.



In summary, based on the significance of his research results and production and the level his academic activity, I believe that Dr. Davide Brunelli has reached an adequate scientific maturity for being promoted to the position of Associate Professor at the University of Trento.

Referee 2:

This letter provides a review of the CV of Mr. Davide Brunelli in relation to the possibility of promotion to Associate Professor at the University of Trento.

Reviewing his CV, I am without any doubt convinced that he reached the level of maturity that is necessary for the position of Associate Professor.

I will in the following justify my statement by using the information extracted from the provided CV.

First of all, Mr. Brunelli has an impressive list of publications that has also determined a high level of citations. It should be noted that the most cited publications have been written with his PhD advisor, but he also contributed with independent publications that have a very good track record of citations. All in all, the publication record is definitely at the right level. Furthermore, he provides in the CV a clear statement of contribution for his work.

Mr. Brunelli is also very active in the acquisition of projects and in particular of projects at European level. I found the list of funding impressive for an Assistant Professor and the fact that he is involved in several international consortia is a clear proof of his level of maturity.

Mr. Brunelli is also particularly active in creating opportunities of research cooperation with many other researchers and research groups. I consider this a very good sign of maturity and his level of cooperation makes him definitely a mature researcher.

Last but not least, he has also a very good record of student supervision. A part from the significant list of MS Thesis, I found extremely interesting the number of PhD students. The number presented in his CV makes him definitely a top performer also in relation to more mature professors.

All in all, in every category I found his CV definitely at the right level. I support without hesitation the promotion at Associate level.

Referee 3:

I am writing this letter as an evaluation of Dr. Davide Brunelli research and scholarly activity in view of his promotion to tenured Associate Professor at the end of his three-year tenure-track position as researcher (ricercatore a tempo determinato "tipo B") at the Department of Industrial Engineering of the University of Trento.

My evaluation is based on the CV submitted by Dr. Davide Brunelli. His research activity has been focused on the development of energy harvesting techniques for low-power electronic systems and on distributed wireless sensing systems. The scientific output of this work has certainly accomplished a very good international recognition, as it is shown by the quite large number of papers that Davide Brunelli published in some of the more important journals in the fields of industrial electronics, of sensors and microelectronics. The impact of his scientific publications can be also assessed by bibliometric parameters such as the hindex (32 on Scopus) and by the high number of citations of some of the papers cited in the CV. These research activities took place in the frame of national and international projects, where Davide Brunelli has been coordinator, WP leader, head of the research unit, in collaboration with important scientific institutions, among which ETH Zurich, EPFL Lausanne, Georgia Tech . Davide Brunelli has delivered invited talks and lectures at international conferences and schools, and was awarded several international prizes.

At the University of Trento, he has tutored undergraduate and Ph.D. students as well as postdoc researchers, leading a research group focused on low-power applications and embedded systems.

As far as teaching is concerned, he has been giving courses on embedded systems, digital architectures and hardware/software codesign at the University of Trento since 2010.

In conclusion , even if in my opinion the submitted CV could have been more focused on the activities in the last three years, it is clear that Dr. Davide Brunelli has given a very valuable and original contribution in the scientific field of sensors and electronics at a high international level, demonstrating his skills in leading a research group, in taking the responsibility of projects and in collaborating with international partners. The impact of his research activities is also demonstrated by the high quality and quantity of his scientific output in terms of publications in international journals and conference proceedings.

Moreover, as far as teaching activities are concerned, he gave a very good contribution by taking the responsibility of several courses and by tutoring many undergraduate and postgraduate students.

Therefore, in my opinion Dr. Davide Brunelli has definitely reached the scientific maturity needed for being promoted to a position oftenured Associate Professor at the University of Trento.

Visto il curriculum vitae del dott. **Davide BRUNELLI**;

Con voto unanime;

Delibera



1. di formulare la seguente valutazione del dott. **Davide BRUNELLI**, ai fini della chiamata ai sensi dell'art. 24 comma 5, L. 240/2010 nel ruolo di professore associato per il settore concorsuale 09/E3 (Elettronica), settore scientifico disciplinare ING-INF/01 (Elettronica):

*I giudizi espressi dai referee esterni sul contributo scientifico, la qualità dell'attività di ricerca e l'esperienza professionale del dott. **Davide BRUNELLI**, 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. **Davide BRUNELLI** nel ruolo di professore associato per il settore concorsuale **09/E3** (Elettronica), settore scientifico disciplinare **ING-INF/01** (Elettronica).*

F.to Il Presidente
Prof.ssa Valentina Nider

F.to Il Segretario
Prof. Yuri Bozzi