

Decreto Rettore Università di Roma “La Sapienza” n 2874/2019 del 01/10/2019

VALERIO BAIOCCHI

Curriculum Vitae

Place: Roma

Date: 20/10/2019

Part I – General Information

Full Name	Valerio Baiocchi
Date of Birth	
Place of Birth	
Citizenship	
Permanent Address	
Mobile Phone Number	
E-mail	
Spoken Languages	Italiano, Inglese (Level 75 Shenker = Level B2.2 CEFR)

Part II – Education

Type	Year	Institution	Notes (Degree, Experience,...)
University graduation	1993	Sapienza University of Rome	Full Degree
PhD	2000	Parthenope Univ. of Naples	PhD, Three year course

Part III – Appointments

IIIA – Academic Appointments

Start	End	Institution	Position
2008	now	Sapienza University of Rome	University researcher/ Adj. Professor

Part IV – Teaching experience

Year	Institution	Lecture/Course
2019/20	Sapienza University of Rome (Sedi di Rome e Latina), University of Lima (Perù)	Geomatics, Topografia e Cartografia, Rilievo geodetico, Geomatica, Progettazione e rappresentazione della sicurezza territoriale (Totale 30 C.F.U.)
2018/19	Sapienza University of Rome (Sedi di Rome e Latina)	Topografia e Cartografia, Rilievo geodetico, Geomatica, Progettazione e rappresentazione della sicurezza territoriale (Totale 24 C.F.U.)
2017/18	Sapienza University of Rome (Sedi di Rome e Latina)	Topografia e Cartografia, Rilievo geodetico, Geomatica e gestione delle risorse idriche sotterranee, Progettazione e rappresentazione della sicurezza territoriale (Totale 21 C.F.U.)
2016/17	Sapienza University of Rome (Sede di Latina)	Sistemi informativi territoriali e Pianificazione territoriale ed urbanistica, Geomatica e

		gestione delle risorse idriche sotterranee(Totale 12 C.F.U.)
2015/16	Sapienza University of Rome (Sede di Latina)	Topografia, Geomatica e progettazione del territorio (Totale 12 C.F.U.)
2014/15	Sapienza University of Rome (Sede di Latina)	Topografia, Geomatica (Totale 12 C.F.U.)
2013/14	Sapienza University of Rome (Sede di Latina)	Topografia, Geomatica (Totale 12 C.F.U.)
2012/13	Sapienza University of Rome (Sede di Latina)	Topografia (Totale 6 C.F.U.)
2011/12	Sapienza University of Rome (Sede di Latina)	Topografia, Geomatica (Totale 12 C.F.U.)
2010/11	Sapienza University of Rome (Sede di Latina)	Topografia, Geomatica (Totale 12 C.F.U.)
2009/10	Sapienza University of Rome (Sede di Latina)	Topografia, Geomatica (Totale 12 C.F.U.)
2008/09	Sapienza University of Rome (Sedi di Roma e Latina)	Topografia, Geomatica, Topografia e cartografia (Totale 15 C.F.U.)
2000/08	Sapienza University of Rome (Sedi di Roma, Latina e Civitavecchia), University of L'Aquila, University of Urbino	Docente a contratto per gli insegnamenti Topografia (6 CFU), Topografia (5 CFU), Topografia (3 CFU), Metodi moderni di rilievo, Geomatica, Topografia e cartografia, Utilizzo metrico cartografico di immagini ad alta risoluzione: inquadramento e validazione con tecniche GPS (Totale negli otto anni più di 60 C.F.U.)
2002/03	University "Roma3"	Tutor

Part V - Society memberships, Awards and Honors

Year	Title
2018	Publons peer review award
2016	"Sentinels of Science" Award - Earth and Planetary Sciences- Publons
2002	Premio ASITA "Miglior poster"
2001	Premio ASITA "Miglior presentazione di giovani autori"
2010	Membership: European Geoscience Union

Part VI - Funding Information [grants as PI-principal investigator or I-investigator]

Year	Title	Program	Grant value
2010	CosmoCoast	Asi Cosmo Sky Med- PI	Around 20000 €
2012	APC (Africa; Pacific, Carribean) II	Erasmus Mundus- PI	2000 €
2008	Mapper	PRIN- I	More than 50000 € in total

Part VII – Research Activities

Keywords	Brief Description
GNSS	Original approaches to GNSS data elaboration, processing of GNSS mobile devices.
Remote sensing	
Drones	Geometric elaboration of VHR imagery, Object oriented and thermal use of Imagery
GIS	
Survey	Development and validation of UAV application
	Development of new tools in GIS environment
	Study of new survey technologies and application of gyroscopic measurements

Part VIII – Summary of Scientific Achievements

Product type	Number	Data Base	Start	End
Papers [Articles]	32	Scopus	1999	2019
Papers [Proceedings]	21	Scopus	2001	2019

Total Impact factor (on 10 attached papers)	Only WOS IF: 8.622 WOS IF + Scopus CR: 10.522
Total Citations (Scopus)	354
Average Citations per Product	6.7
Hirsch (H) index (Scopus)	12
Normalized H index* (from 1999)	0.63

*H index divided by the academic seniority.

Part IX– Selected Publications

List of the publications selected for the evaluation. For each publication report title, authors, reference data, journal IF (if applicable), citations, press/media release (if any).

1)
Alessandri, L., Baiocchi, V., Del Pizzo, S., Di Ciaccio, F., Onori, M., Rolfo, M. F., and Troisi, S.: **Three-dimensional survey of Guattari cave with traditional and mobile phone cameras** (2019) *Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci.*, XLII-2/W11, 37-41, <https://doi.org/10.5194/isprs-archives-XLII-2-W11-37-2019>, 2019. Cited 0 times. IF 2019 N/A

2)
Dominici, D., Zollini, S., Alicandro, M., Torre, F.D., Buscema, P.M., Baiocchi, V. **High resolution satellite images for instantaneous shoreline extraction using new enhancement algorithms** (2019) *Geosciences (Switzerland)*, 9 (3), art. no. 123, . Cited 1 time., IF 2019 N/A

3)

Alessandri, L., Baiocchi, V., Del Pizzo, S., Rolfo, M.F., Troisi, S.
PHOTOGRAMMETRIC SURVEY with FISHEYE LENS for the CHARACTERIZATION of the la SASSA CAVE

(2019) *ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences*, 42 (2/W9), pp. 25-32. Cited 4 times., IF 2019 N/A

4)

Robustelli, U., Baiocchi, V., Pugliano, G.

Assessment of dual frequency GNSS observations from a Xiaomi Mi 8 android smartphone and positioning performance analysis

(2019) *Electronics (Switzerland)*, 8 (1), art. no. 91, . Cited 14 times., IF 2019 N/A (2018: 1.764)

5)

Francesco Fassi, Salvatore Troisi, Valerio Baiocchi, Silvio Del Pizzo, Francesca Giannone, Luigi Barazzetti, Mattia Previtali and Fabio Roncoroni

Fisheye Photogrammetry to Survey Narrow Spaces in Architecture and a Hypogea Environment

In: *Latest Developments in Reality-Based 3D Surveying and Modelling*

Diego Gonzalez-Aguilera Ed.

<https://doi.org/10.3390/books978-3-03842-685-1-1>, IF: N/A

6)

Baiocchi, V., Barbarella, M., Del Pizzo, S., Giannone, F., Troisi, S., Piccaro, C., Marcantonio, D.
Augusto's sundial: Image-based modeling for reverse engineering purposes

(2017) *International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives*, 42 (2W3), pp. 63-69. Cited 3 times. IF 2017: N/A

7)

Baiocchi, V., Zottele, F., Dominici, D.

Remote sensing of urban microclimate change in L'Aquila city (Italy) after post-earthquake depopulation in an open source GIS environment

(2017) *Sensors (Switzerland)*, 17 (2), art. no. 404, . Cited 7 times. IF 2017: 2.475

8)

Baiocchi, V., Barbarella, M., D'Alessio, M.T., Lelo, K., Troisi, S.

The sundial of Augustus and its survey: unresolved issues and possible solutions

(2016) *Acta Geodaetica et Geophysica*, 51 (3), pp. 527-540. Cited 2 times. IF 2016: 0.794

9)

Pulighe, G., Baiocchi, V., Lupia, F.

Horizontal accuracy assessment of very high resolution Google Earth images in the city of Rome, Italy

(2016) *International Journal of Digital Earth*, 9 (4), pp. 342-362. Cited 27 times. IF 2016: 2.292

10)

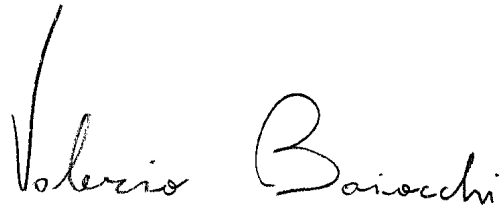
Baiocchi, V., Lelo, K., Polettini, A., Pomi, R.

Land suitability for waste disposal in metropolitan areas

(2014) *Waste Management and Research*, 32 (8), pp. 707-716. Cited 16 times. IF 2014: 1.297

Il contributo del candidato agli elencati 10 lavori è stato paritetico.

Roma 22/10/2019



Valerio Baiocchi