



# Giacinto Donvito

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**Address:** Via Orabona, 4, 70125, Bari, Italy (Work)

## ● WORK EXPERIENCE

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19/05/2021 – CURRENT

**SENIOR TECHNOLOGIST** INFN, BARI

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Member of INFN Committee for Biomedical Sciences and Technologies

31/12/2020 – CURRENT

**SENIOR TECNOLOGIST** INFN, BARI

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Local coordinator of H2020 DICE project.

European Project dealing with management of the personal data over cloud services.

In this project INFN is collaborating with EUDAT partner to make the Laniakea Services interoperate with EUDAT secure services.

31/12/2020 – CURRENT

**SENIOR TECNOLOGIST** INFN, BARI

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Local coordinator of H2020 EGI-ACE project

31/12/2020 – CURRENT

**SENIOR TECNOLOGIST** INFN, BARI

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National coordinator for H2020 C-Scale project

16/11/2020 – CURRENT

**SENIOR TECNOLOGIST** INFN, BARI

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Project Coordinator for PON IBISCO project, to increase the human support to the ITC national infrastructure. Total investment of 2M€. 50 person involved.

21/02/2020 – CURRENT

**SENIOR TECHNOLOGIST** INFN, BARI

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INFN Representative in the Lifewatch Italian Node

31/01/2020 – 31/12/2022

**SENIOR TECHNOLOGIST** INFN, BARI

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WP3 leader dell'OR3 for CNRBiomics PON Project:

IMPLEMENTATION OF A COMPUTING PLATFORM FOR BIOINFORMATICS CNRBIOIMICS - NATIONAL RESEARCH CENTER IN BIOINFORMATICS FOR "HOMIC" SCIENCES, FOR THE ENHANCEMENT OF THE ELIXIR RESEARCH INFRASTRUCTURE

"ELIXIR - EUROPEAN LIFESCIENCE INFRASTRUCTURE FOR BIOLOGICAL INFORMATION" approved for an amount of € 14,503,877

The WP has a total value of approximately 4.5M € to be applied between CNR and INFN

29/01/2020 – CURRENT

**SENIOR TECHNOLOGIST** INFN, BARI

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INFN Representative in the ELIXIR\_IT Node

30/09/2019 – 31/12/2022

**SENIOR TECHNOLOGIST** INFN, BARI

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Local coordinator for H2020: IoTwins project (Grant agreement ID: 857191).

30/06/2019 – 31/12/2022

**SENIOR TECHNOLOGIST** INFN, BARI

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Local coordinator for H2020 EOSC-Pillar project (grant agreement No. 857650)

05/2019 – CURRENT Bari, Italy

**SENIOR TECHNOLOGIST** INFN

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INFN-Bari coordinator for ICT Infrastructure PON IBISCO project for a grant of 5M€ .

05/2019 – CURRENT Bari, Italy

**SENIOR TECHNOLOGIST** INFN

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Scientific coordinator for INFN in the ICT infrastructure PON LifewatchPLUS project for a grant of 1.3M€

05/2019 – 31/12/2022 Bari, Italy

**SENIOR TECHNOLOGIST** INFN

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Scientific coordinator for INFN in the ICT infrastructure PON CNRbiomics (Elixir) project for a grant of 600k€

05/2019 – CURRENT Bari, Italy

**SENIOR TECHNOLOGIST** INFN

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WP15 Lead for ICT PON IBISCO project related to the distributed data center in the south of Italy across 3 big datacenter.

05/2019 – CURRENT Bari, Italy

**SENIOR TECHNOLOGIST** INFN

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WP1 (building a distributed LifeWatch-ITA Data Center across Italy) Lead for ICT infrastructure PON LifewatchPLUS for a total grant of 5M€.

31/03/2019 – CURRENT Bari, Italy

**SENIOR TECHNOLOGIST** ISTITUTO NAZIONALE DI FISICA NUCLEARE SEZIONE DI BARI

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31/12/2017 – 31/03/2021 Bari, Italy

**SENIOR TECHNOLOGIST** INFN

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Technology coordinator for H2020 EOSC-Hub project, that is the first implementation of the European Open Science Cloud

About 30M€ grants and 100 partners.

31/10/2017 – 31/12/2020 Bari, Italy

**TECHNOLOGIST** INFN

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Technical Coordinator of H2020 eXtremeDataCloud (3M€ grant), building a distributed data access and management platform for extreme large datasets (order of Petabytes).

30/09/2017 – CURRENT Bari, Italy

**TECHNOLOGIST** INFN

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Technical Coordinator of ReCaS-Bari data center

31/12/2016 – CURRENT Bari, Italy

**TECHNOLOGIST** INFN

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National Coordinator of national distributed Cloud IaaS Infrastructure (INFN Cloud).

01/09/2022 – CURRENT Bari, Italy

**NATIONAL COORDINATOR FOR EU AI4EOSC PROJECT INFN**

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National Coordinator for INFN in the AI4EOSC EU Project <https://ai4eosc.eu/>

INFN has the responsibility to coordinate the development of a PaaS Layer to support AI application over the EOSC infrastructure.

About 500k€ of personnel cost founding at national level.

31/01/2015 – CURRENT Bari, Italy

**TECHNOLOGIST INFN**

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Representative of INFN Department of Bari in the National Computing Committee.

31/10/2017 – 09/2019 Bari, Italy

**TECHNOLOGIST INFN**

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Workpackage Leader for PaaS Layer implementation in the H2020 DEEP-HybridDataCloud project with the aim of implementing the Deep Learning and Machine Learning over GPU.

31/03/2015 – 29/09/2017 Bari, Italy

**TECHNOLOGIST INFN**

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Technical director of EU H2020 INDIGO-DataCloud project (11M€ of grant and 26 EU partners) with the aim of building a distributed platform of PaaS Layer supporting Scientific Applications.

31/12/2013 – 30/12/2014 Bari, Italy

**TECHNOLOGIST INFN**

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Technologist for INFN - Bari, working on Open Source Cloud computing Infrastructure (National PON Prisma project)

31/12/2012 – 17/11/2014 Bari, Italy

**TECHNOLOGIST INFN**

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Workpackage leader within National PON PRISMA project Implementing an Open Source IaaS Cloud layer.

01/01/2013 – 30/12/2013 Bari, Italy

**TECHNOLOGIST INFN BARI**

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Technologist in building ReCaS-Bari data center working on job scheduling and data management solutions.

31/12/2011 – 19/12/2012 Bari, Italy

**TECHNOLOGIST INFN**

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Working with University of Bari in a National PRIN 2008 project on developing an hardware and software solution for supporting CMS physics data analysis.

30/11/2006 – 20/12/2011 Bari, Italy

**TECHNOLOGIST INFN**

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Working at INFN - Bari in National and European projects on supporting bioinformatic analysis over distributed computing infrastructure.

01/04/2004 – 19/11/2006

**TECHNOLOGIST**

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Working at INFN-Bari in EU (EGEE, EGI) funded projects in the topic of grid computing.

01/09/2022 – CURRENT Bari, Italy

**LOCAL COORDINATOR OF INTERTWIN PROJECT INFN**

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INFN-Bari coordinator of development of Cloud based solution.

<https://www.egi.eu/project/intertwin/>

## ● EDUCATION AND TRAINING

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22/03/2004 Bari, Italy

**LAUREA IN FISICA** Università degli Studi di Bari

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## ● LANGUAGE SKILLS

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Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	C1	C1	C2

*Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user*

## ● PUBLICATIONS

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2021

**DTI measurements for Alzheimer's classification**

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Physics in Medicine and Biology 2017 | Journal article DOI: 10.1088/1361-6560/aa5dbe EID: 2-s2.0-85014406374

2020

**A cloud-based framework for machine learning workloads and applications**

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Lopez Garcia et al., A cloud-based framework for machine learning workloads and applications (2020) IEEE Access, 8, art. no. 8950411, pp. 18681-18692.

2017

**Brain Age Prediction With Morphological Features Using Deep Neural Networks: Results From Predictive Analytic Competition 2019**

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Frontiers in Psychiatry 2021-01 | Journal article DOI: 0.3389/fpsy.2020.619629

Part of ISSN: 1664-0640

2018

**INDIGO-DataCloud: a Platform to Facilitate Seamless Access to E-Infrastructures**

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D. Salomoni et al., INDIGO-DataCloud: a Platform to Facilitate Seamless Access to E-Infrastructures (2018) Journal of Grid Computing, 16 (3), pp. 381-408. DOI: 10.1007/s10723-018-9453-3

2015

**BioMaS: A modular pipeline for Bioinformatic analysis of Metagenomic AmpliconS**

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B. Fosso et al., BioMaS: A modular pipeline for Bioinformatic analysis of Metagenomic AmpliconS (2015) BMC Bioinformatics, 16 (1), art. no. 203, .

## ● DIGITAL SKILLS

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Microsoft Word | Microsoft Excel | Microsoft Powerpoint | Google Drive | Python | Bash Programming | Linux (RHEL CentOS Ubuntu Debian) | Zoom | Cloud Computing (IaaS SaaS PaaS)

## ● ORGANISATIONAL SKILLS

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### Organisational skills

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- Experience in leading development team
- Experience in technical coordination of complex projects also in international environment.
- Experience in leading operations of a big data center with a group of 20 people

## ● **COMMUNICATION AND INTERPERSONAL SKILLS**

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### Communication and interpersonal skills

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- Good communication skill gained in presenting scientific work and projects activities at international conferences.
- Good communication skill gained in several years of working activities in several international teams.

## ● **JOB-RELATED SKILLS**

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### Job-related skills

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- Good knowledge of the most advanced computational technique to support scientific use cases
- know-how on how to port scientific application on the new computational environment
- good knowledge of all the linux operative system
- good knowledge of perl, C/C++, Python, Bash programming languages

## ● **EVALUATION METRICS**

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### H-index (Scopus):

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33

### Citations (Scopus):

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15054

### Indexed products in the last 10 years (Scopus):

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59