UGO BECCIANI

Master Degree in Electrical Engineering obtained on January 23, 1986

Astronomer in the field of Technological-Informatics at the Catania Astrophysical Observatory: from 1 March 2000

List of the main positions

1990-2000 Head of the Computing Center of the Catania Astrophysical Observatory.
1990-1996 Head of the Italian group for the phase A study of the SDMS on-board scientific unit in the Spectrum UV project
1995-2000 Responsible for Automated Information Systems at the Astrophysical Observatory appointed pursuant to article 10 of Legislative Decree n. 39/1993
2000 Scientific Responsible of the "Joint Development" convention between the Catania Observatory and the Cineca
2000 PI of the CNAA funded project Data analysis, visualization and educational aspects using Virtual Reality techniques
2001-2002 PI of the Research Unit (Catania Astrophysical Observatory, Enea - Casaccia e Univ. La Sapienza of Rome) of the CNR - Agenzia 2000 project named Astro-Grid: an interface for the management of numerical simulations and data archives in Astrophysics, within the project coordinated Computational Grids and Applications.
2001-2004 Co-PI of the Research Unit of the Astrophysical Observatory of Catania, of the international project Cosmo.Lab and funded by the European Community
2002 Member of the Scientific Committee of the Workshop "Computational Astrophysics in Italy: Methods and Tools" First National Meeting. Bologna, 4-5 July 2002
2003-today Member of the International Astronomical Union (IAU)
2003-2006 PI of the Research Unit of the INAF Catania Astrophysical Observatory for the project "Data Grid for astrophysics research: porting of scientific applications" MIUR Cofin (PRIN) 2003
2003 Organizer and member of the Scientific Committee of the "Adaptive Techniques In Computational Astrophysics and Biology" Workshop Catania 12-14 November 2003
2004 Representative of the Italian astronomical community for IVOA (International Virtual Observatory Alliance) - Theory Interest Group
2004 Scientific organizer of the first Advanced Course in Parallel Computing and Scientific Applications, organized by INAF Catania Astrophysical Observatory from 27 September to 2 October 2004
2004 Participant in the project "On the Evolution of stellar systems: a fundamental step towards the scientific exploitation of VST" MIUR PRIN 2004
2004 Participant in the "Cosmology and Computational Astrophysics at Catania Astrophysical Observatory" project. Funding VI Framework Program of the EU (Transfer of Knowledge)
2005 Participant in the project approved by the Department of Research Structures INAF Research Projects of National Interest 2005 "Mass reconstruction from Weak- and Galaxy-Galaxy Lensing in the Standar of Cosmology and in the modified theories of gravity"
2005 PI of the VisIVO project (scientific visualization) in the Design Study under the "VO-TECH Data Exploration" funded by the European Community.

2005-2007 INAF PI for the Trinacria Grid Virtual Laboratory (TriGrid VL) project funded by the Sicilian Region P.O.R.

2005-2010 Member of the Scientific and Technical Committee of the Cometa Consortium (Multi Consortium for the promotion and adoption of Advanced Computing Technologies)

2006-2010 Member as expert of the Management Committee of the INAF-Cineca MoU

2006 Responsible and organizer of the Second Advanced Course in Parallel Computing and Grid Computing, organized by the INAF Astrophysical Observatory of Catania from 25 to 29 September 2006.

2006 Co-organizer of the session "Birds of a Feather (BoF) 3.3 - Next Generation of Visualization Tools for Astrophysics at the ADASS Conference Tucson 2006.

2006 Referent for INAF and member of the Technical / Scientific Committee for the I.F.T.S. (Integrated Superior Technical Training) "Tecnico di Laboratorio per la Ricerca e l'Innovazione Informatica"

2008 Co-PI for the Advanced Course in Parallel Computing and Grid Computing organized by INAF, INFN and University of Catania from 29 September to 3 October 2008

2008-2010 INAF representative in IGI (Italian Grid Initiative) in the dissemination working group.

2008 Co-organizer of the Computational Astrophysics Workshop in Italy: results and perspectives Rome, March 12, 2008

2008 Co-organizer of the Training Course on Parallel Computing and Grid Computing, organized by the University of Catania, INAF Catania Astrophysical Observatory and INFN sect. of Catania, from 29 September to 6 October 2008.

2009-today ESA GAIA Space Mission: Responsible for the AVU-GSR parallel module.

2010 Member of the Scientific Committee of "VODay on tour "as part of the EuroVO-AIDA project (EC FP7)

2011-2012 Sub-contract manager within the EDGI project (http://edgi-project.eu) for porting applications in the Desktop Grid.

2011-2014 PI of INAF Research Unit in the SCI-BUS project (https://www.sci-bus.eu/) for the development of Science Gateway in Astrophysics.

2011-2015 PI of INAF Research Unit in the project PON01_01125 "Portal for the fight against smuggling of nuclear fissile material" (http://muoni.oact.inaf.it:8080)

2013-2017 Member of the Scientific Committee of the IWSG International Workshop (International Workshop on Science Gateways)

2013-today Chairman of the Coordination Group of the Memorandum of Understanding between the Cineca and INAF for the ESA GAIA Space Mission programs

2013-present Member of the Coordination Group of the National ICT Scientific Directorate (Information and Communication technology) of INAF

2013-today SKA Project (ESFRI: Square Kilometer Array): design of the Local Monitor and Control (LMC) system of the DISH.

2013-today CTA Project: Data Management, ICT-infrastructures.

2013-2016 WP leader FP7 project ViaLactea: study of star formation regions in the galactic plane.

2015-2017 Collaboration task in the context of the institutional activities within the supercomputing of the COMETA Consortium

2017 Member of the working group of the INAF UTGII WG-F03-01 unit: "SKA Precursor and Low-frequency Pathfinders" - Lofar

2016-present Member of the Scientific Council of the Astrophysical Observatory of Catania INAF

2017-today Aeneas Project (H2020) for the establishment of the European Regional Data Center of SKA (ESFRI: Square Kilometer Array): Task leader for the study of middleware for HPC, HTC and Cloud Computing

2017-today Chairman of the management committee of the INAF-Cineca MoU of the "Framework Agreement MoU for the joint research activity New frontiers in Astrophysics: HPC and new generation Data Exploration" (2017-2020)

2017-today PI of the Research Unit of the Comet Consortium for the MIUR project ACPR15T4_00098 Experimentation of cutting-edge interactive technologies for the improvement of teaching and scientific dissemination.

2017-today PI of INAF unit for the Erasmus + project For the project "Bringing the 3-D world inside: a new approach to teaching, learning and communicating the science of geohazards in the terrestrial and marine environment (3DTeLC)"

2017-today Board Member of the Cometa Consortium

2018-today Board Member of the Italian national committee (LOFAR-IT) for the LOFAR project