FRANCO PARLAMENTO

Personal information

Date and birth place: 11.30.1952, Cossato I (BI)
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Professional experiences

Since May 6, 1987
Full professor of Mathematical Logic
University of Udine

8-10 198787
Visiting Associate Professor
UC Santa Barbara

From August 1st, 1980 to May 5, 1987
University of Turin
Researcher with tenure

1987
Politecnico of Turin
Teaching Assistant

1975-1978
University of Turin
CNR fellow Istituto di Matematiche Complementari

1978-1980
Research Associate UC Berkeley (ref. Leo Harrington) a.y.79/80.
Research Scholar Courant Institute New York University and UC Santa Barbara (ref Martin Davis) a.y. 78-79.

Main activities and responsabilities

a.y 1991/92-94/95 and 2010/11 - 2012/13
Dean of the Faculty of Science,
University of Udine

a.y. 2013/2014 - 31/12/2015
Head of   the Department of Mathematics and Computer Science,
University of Udine

January 2016
Dean in temporary charge of the new Department of Mathematics, Computer Science and Physics of the University of Udine

a.y. 1991/92 and 2008/09 -2012/13
Delegate of the Rector

2011/2012
Member of the   Interuniversity Consortium for Teachers Training

1999-2003
Member of the Interuniversity Regional High School Teachers Specialization School (SSIS) Council

2020-2022
Member of the Scientific Committee of the Udine University Press

Education

July 15th, 1975
University of Turin
Degree in Mathematics cum laude and special mention

Teaching experiences

In the a.y.. 88/89 he joined the University of Udine to start the teaching in Mathematical Logic in the Laurea in Information Sciences, a duty that he has mantained in the Laurea in Computer Science when te course became compulsory. When the general curriculm in the Laurea in Mathematics was activated he has started the optional course in Advanced Mathematical Logic to entually assume the responsability of the compulsory course in the new three year curriculum in Mathematics started in the a.y. 00/01. Since the a.y. 00/01 he teaches also the Mathematical language course; an innovative writing workshop to help the understanding and use of the mathematical language for the freshmen of the curriculum in Mathematics. In the a.y 88/89 he has been teaching also the course Methods for the Information Treatment and since the a.y. 90/91 through 95/96 the course of Elaboration of Non Numerical Information. In the a.y 96/97 he begun teaching also the course in Foundation of Mathematics necessary to start the curriculum for teachers in the Laurea in Mathematics, a teaching responsabilty that he still mantains. In the a.y. 11/12 he taught also an advanced course in Set Theory. Furthermore he taught several courses in the the High School Teachers Specialization School (SSIS);a course in Set Theory in the Summer School of the Italian Associan for Logic and its Applications, a course in Logic and Logic Programming in the International School "Fundamentals of Computers Science for Developing Countries" organized by UNESCO in Udine at the International Center for Mechanical Sciences (CISM) as well as a course in Logic in a School in Logiic and Artificial Intelligence at CISM. Furthermore he has taught courses in Mathematical Logic and Logic for Humanities at the Scuola Superiore of the University of Udine.

He has been thesis / subthesis advisor of several students facilitating the beginning af a research acticity of some of them, notably Alberto Policriti and Alberto Marcone when he was associated with the University of Turin, Dorella Bellè and Emanuele Frittaion. He has been the Ph.D in Mathematical Logic and Theoretical Computer Science (Univ of Siena) advisor of Dorella Bellè.

Reseach activity, main themes

a)   Proof theory for logic with equality (8 publications on international journals)
b)   Truth-value semantics and logic of partial terms (one publication on international journals)

c)   Decision problems for fragments of set theory and for weak membership theories. (18 publications on international journals)
d)   Proof theory of arithmetical formal (7 publications on national journals and proceedings of intermational congresses)

a)   On going research. It deals with such fundamentals themes as the extension of Gentzen's sequent calculus (with and without structural rules) to the logic with equality with results such as the extension of the cut elimination theorem already attempted but not completed by the Leningrad proof theory school in the end of the sixties
b)   The use of the truth-value semantics, beyond the specific employment in the study of the logic of partial terms has proved to be crucial in the organization of the mathematical logic course syllabus since it allows for an elementary bottom-up approach to the standard classical set theoretic semantics.
c)   Research started at the University of Turin with A. Policrity and continued in Udine also with E.Omodeo, A. Marcone and D.Bellè. It has been a significant contribution to a broader research program with relevant application also in declarative programming..
d)   Initial research subject when he was a CNR fellow in Italy and abroad for which he is indebted to the advice of Martin Davis and to the collaboration with John Doner at UC Santa Barbara.

Reviewing activity

He has been referee for several of the most important journal in the area such as the Jpurnal of Symbolic Logic, the Journal of Philosophical Logic, the   Review of Symbolic Logic , the Mathematical Logic Quarterly.

Associations/ Academies

He is member since its foundation of the Italian Association for Symbolic Logic of whose Council he has belonged.
He is member the Association for Symbolic Logic

He is an ordinary fellow of the 'Accademia Udinese di Scienze, Lettere e Arti' for which he has been editor of a volume on Q.Sella and its role in the unification process of Friuli with the the Reign of Italy, where he has published the work "La politica della Scienza di Q.Sella e l'istruzione superiore in Friuli"

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05/05/2023