TECHNION – ISRAEL INSTITUTE OF TECHNOLOGY
FACULTY OF ARCHITECTURE AND TOWN PLANNING

הטכניון – מכון טכנולוגי לישראל
הפקולטה לארכיטקטורה ובינוי ערים

Prof. Emeritus Yehuda E. Kalay, PhD

פרופ׳ אמריטוס יהודה קלעי

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Professor Paolo Atzeni
Università Roma Tre
Dipartimento di Ingegneria
Sezione di Informatica e Automazione
Via della Vasca Navale 79
00146 Roma, Italy

Re: **Letter of Support for Professor Alberto Paoluzzi**

It is my pleasure to write this letter in support of granting the title Professor Emeritus to Professor Alberto Paoluzzi.

Professor Paoluzzi devoted his long career to establishing the field of geometric modeling—a branch of applied mathematics that studies the data structures and algorithms needed to create, visualize, and manipulate geometric shapes. Geometric modeling makes possible the creation, modification, analysis, and optimization of architectural and engineering designs. It improves the quality of design, its communication among teams of architects and engineers, and creates the databases needed for manufacturing. It makes possible design automation, numerically controlled manufacturing, and the creation of objects of high degree of complexity. It is used in automotive, shipbuilding, aerospace, architecture, medical and other applications, as well as in computer animation, special effects and other applications in the worlds of art and entertainment.

Professor Paoluzzi has been recognized as one of the pioneers in this field, since its establishment in the 1970s, through his contributions to developing the mathematics underlying the field, implementing them in specialized programming languages such as PLaSM (for dimension/independent algebraic calculus of shapes), as attested by his numerous publications and the awards bestowed upon him.

It would not be an exaggeration to say that the field of geometric modeling would not have achieved its many accomplishments without Professor's Paoluzzi's considerable contributions!

I have no doubt that Professor Paoluzzi deserves the title of Professor Emeritus.

Sincerely,

Yehuda E. Kalay, PhD

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