

## ENZA TINTORI PISANO

On March 13<sup>th</sup>, 2020, Enza Tintori Pisano passed away. In the midst of the Covid19 emergency the news slipped through the cracks in SIE's circles despite Enza Tintori Pisano, human engineering expert, having been a central figure in the Board of Directors from the very start and, without doubt, a crucial one in the world of Italian ergonomics. It is possible that her name remained unknown in the past few years for many human engineering experts in SIE. Now is the time to rectify this oversight and focus on her work, entrusting it to the consideration and knowledge of the present SIE human engineers.

A 1956 graduate from Bocconi University, she worked from 1957 to 1967 as an assistant for the Siemens' director of their Coordination Center first, and then as head of Human Resources for Productive, Technical and Commercial Units on the entire national territory (1960-1967), a task complemented by refresher training courses at their headquarters in Munich and by attending I.R.I.'s classes for Company Managerial Roles in Rome. From 1967 to 1971 she consulted with Siemens on Technical Personnel Training.

From these working experiences came the need for a different approach to work, human subjects and organizational issues. She then attended the prominent course of Ergonomics at the University of Technology in Loughborough (UK), obtaining the PHD in Ergonomics in 1973. Once back in Milan she started on her scientific endeavors with friend Giovanni Molteni (a PHD in Ergonomics as well) and thanks to the support of Antonio Grieco – then Director of Milan's Work Center (*Clinica del Lavoro*) and co-founder of SIE where she became a member. Pisano became National Secretary of SIE between the Seventies and the Eighties and in such role she joined the Scientific Committee of the 1<sup>st</sup> SIE Congress (Rimini 1974) and of the 2<sup>nd</sup> (Milan, 1979).

At the same time she directed her research on production cycles geared toward the gathering of subjective and objective data for the feasibility evaluation in machinery replacement or repair, for transformation of the organizational structure and the monitoring of operatives' health and well-being conditions in relation with the changes in environmental circumstances. Her activities then included a cooperation with Milan's Energy Authority (AEM), the Planning Committee of Milan's Municipality, and Lombardy's Education Council where she planned, realized and coordinated several ergonomics study courses which ran from 1979 to 1985. Professors came from the University of Turin, from Milan's Technical University and the Work Center of *Università degli Studi*, as well as from Bologna's *Università degli Studi*, Olivetti in Ivrea, Pirelli, Italtel, FIAT, CNR and so forth.

Also involved in academic work, from 1980 to 1985 she hosted seminars at Milan's University of Technology as part of the Architectural Technologies Course; she then became Adjunct Professor with Turin's University of Technology (academic years 1981-1982 and 1982-1983), with IUAV, the Architectural University in Venice (*Istituto Universitario di Architettura a Venezia*) for the academic years 1983-1984 and 1984-1985, and again with Milan's University of Technology in the academic years 1985-1986 and 1997-1998: in this instance – between 1988 and 1990 – she was appointed with the scientific oversight of refresher courses for the Construction Planning, Design and Manufacturing Department and – from 1996 to 1998 – for the planning and organization of the Ergonomics Master at the new Industrial Design School. In the meantime she was called to hold lectures at the Universities of Palermo and Naples. In 2002 she took part in the planning and realization of a university Master in Ergonomics at the Engineering School in Palermo.

Cooperations with experts in the various disciplines akin to ergonomics (not only Italians, but also British, French and Americans) were constant and intensive, as were those with operators in major Italian industries, like Francesco Novara, Giuseppe Ciribini, Melchiorre Masali, Antonio Grieco, Sebastiano Bagnara, Francesca Pregnolato Rotta Loria, Ivar Oddone, Enrica Fubini, Alessandra Re,

Gabriele Cortili, Luigi Bandini Buti and many others contributors to the history of ergonomics in Italy.

It is ultimately worthwhile to append the short work “Ergonomics: why” I located among the material that my very dear friend sent me some time ago, like “History of SIE and Ergonomics” (*Storia della SIE e dell’Ergonomia*) on which she worked from notes she took during her activities inside and outside of SIE itself, documents which could still be enlightening today on many facets of this discipline.

Annie Alemani

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