

## 90 Years of Modern Quality

### Walter A. Shewhart – A Life Devoted to Quality

Ioan C. BACIVAROV\*



*“The object of industry is to set up economic ways of satisfying human wants and in so doing to reduce everything possible to routines requiring a minimum amount of human effort. Through the use of the scientific method, extended to take account of modern statistical concepts, it has been found possible to set up limits within which the results of routine efforts must lie if they are to be economical. Deviations in the results of a routine process outside such limits indicate that the routine has broken down and will no longer be economical until the cause of trouble is removed.”*

*W. A. Shewhart “Economic Control of Quality of Manufactured Product”, 1931*

#### Abstract

*Walter Shewhart was the pioneer and visionary of modern quality control. 90 years ago, Shewhart introduced the first control chart, which launched statistical process control and quality improvement. This moment is considered as the birthday of the modern quality. This paper analyses some important moments of the scientific activity of this great quality guru, during an exemplary life devoted to quality*

**Keywords:** *Quality, Modern quality, Quality control, Quality improvement, Walter Shewhart, SPC.*

\* Professor dr. **Ioan Bacivarov**, is the Director of the **EUROQUALROM** laboratory, University “Politehnica” of Bucharest, Romania, the Editor-in-Chief of the journal **Asigurarea Calitatii – Quality Assurance**, the Director of the **International Journal of Information Security and Cybercrime- IJISC** and Editor-for-Europe of the journal “**Quality Engineering**”.