

**TITLE:**

Sound recordings of leading professors of Spanish Manufacturing Engineering. Analysis of contents.

**AUTHORS:**

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**GOAL(S):**

It should present a very short summary of the aims of your work. (1 line)

Present work analyse the initiative "Academic lives in Industrial Engineering" applied to professors of Manufacturing Engineering in Spain

**INNOVATIVE ASPECTS:**

The most innovative aspect of this initiative is that, with the format of interviews, an interesting sound recording archive is being generated, allowing disseminating the trajectory of prestigious professors from the Spanish Industrial Engineering Faculties.

**BRIEF INTRODUCTION:**

PATRIF is one of the three Working Groups that currently make up the Manufacturing Engineering Society (MES) / Sociedad de Ingeniería de Fabricación (SIF). From this Group, different initiatives are developed to know, study and value the elements of Spanish industrial heritage about Manufacturing Engineering [1-3]. Each of them has a specific scope, methodology, structure and support, covering not only movable and immovable assets or documents, but also the scope of intangible heritage.

The initiative analyzed in this paper, "Academic Lives in Industrial Engineering", belongs to this typology. With this activity, a sound recording archive is intended to create, using a format of interviews, with the aim of disseminating the trajectory of the great professors of the Spanish Industrial Engineers Faculties. It seeks to preserve and bring closer to the new generations the experiences and personality of these professors, with a story told in the first person. Likewise, it is wanted that it serves as tribute and recognition to their trajectories and dedication to the Spanish Engineering Manufacturing.

**METODOLOGY:**

The process of generating each element begins with the selection, contact and acceptance of the lead professor. Fixed a date, he is cited in the recording studios of the Audiovisual Media Center (CEMAV) of the National Distance Education University (UNED), located in the Campus of Madrid. The coordinator of this initiative, Professor Miguel Ángel Sebastián, acts as an interviewer.

The protagonists are personalities that have stood out for their knowledge, abilities and scientific and research production. In the interview, they analyze their experiences and experiences throughout their studying and teaching life. Each professor approaches different aspects of his life in a very personal way, especially remembering interesting anecdotes. However, there are also confluences in some of the topics dealt with by all of them: the teaching they received when they were students, the changes in the subjects they taught in successive modifications of the study plans, the evolution of the university model over the years and their experience in professional activities.

In case the professor has already deceased, several of his most direct collaborators are called, who recall the set of experiences that he transmitted to them and the common experiences they shared together.

Each interview is broadcast on two radio programs of about 20 minutes. A brief profile of the protagonist is presented at the beginning of each one.

The programs, produced by the CEMAD of the UNED, are broadcasted by Radio 3 (chain belonging to the Spanish Radio Group, RTVE), being later available in the UNED Channel Repository [4], the Radio 3 Postcast, the Youtube portal and the PATRIF blog on the MES-SIF website [5].

**PERFORMANCES AND EXPECTED RESULTS:**

Since the launch of this initiative, 13 interviews have been recorded and 26 radio programs have been broadcast, although present work will limit its analysis to the group of professors who have developed their academic and professional life within the Manufacturing Engineering. As mentioned in the methodology, the results of this initiative are available, in open, from different platforms, so that the interested users are provided with an easy and flexible access to them.

This work aims to show the characteristics of this activity, presenting the profile of the interviewees, pointing out the most outstanding aspects of their interventions, carrying out an analysis of the follow-up of the broadcasted interviews and assessing their impact.

It should be noted that, in addition to the interest that these radio programs can offer for the first-hand knowledge of these professors' biographical elements, they also constitute a sound recording archive in which their voices are recorded, their ways of expressing themselves and how to understand and focus certain episodes of the history of the Engineering Faculties in Spain, bringing to the listener not only the experience of a lifetime but also its most genuine personal component, for which it contributes an appreciable value to the industrial heritage of intangible type.

**REFERENCES: (maximum 5)**

It should include main references of the work by using Vancouver format in plain text.

- [1] Sevilla L, Sebastián MA, Claver J. Actividades e iniciativas del Grupo de Trabajo PATRIF de la Sociedad de Ingeniería de Fabricación para la promoción y divulgación del patrimonio industrial. Proceedings of the 2nd European Meeting of Industrial Heritage Associations, Málaga, 2017
- [2] Sevilla L, Sebastián MA, Claver J. Design, analysis and evaluation of the activity “10 images about ...” for the identification and study of assets of the Spanish industrial heritage. *Procedia Manufacturing*. 2017; 13: 1413-1420.
- [3] Claver J; Sebastián MA, Sevilla L. Experiencias colaborativas en el estudio del patrimonio industrial desarrolladas por el Grupo de Trabajo PATRIF de la Sociedad de Ingeniería de Fabricación. XXIV CUIEET, Cádiz, Spain, 2017.
- [4] Canal UNED, Repositorio digital multimedia, Centro de Medios Audiovisuales (CEMAV), UNED, Madrid. Available from: <https://canal.uned.es/> [Accessed 25th September 2018].
- [5] PATRIF Blog on the MES-SIF website, Manufacturing Industrial Heritage – Working Group of Manufacturing Engineering Society. <http://www.sif-mes.org/patrif/> [Accessed 25th September 2018].