

# COMPETITIVE TECHNOLOGY INTELLIGENCE FOR INNOVATION UNIT

## Postdoctoral Researcher Vacancy

## Researcher Professor Vacancy

The School of Engineering and Sciences at the Tecnológico de Monterrey invites applications for post doctoral and professor positions in engineering and technology (including manufacturing) to strengthen the academic programs and the Competitive Technology Intelligence for Innovation unit by developing their own line of research.

We are looking for professionals committed to excel in research and willing to provide solutions to global issues in science and technology.

Competitive Technology Intelligence focuses on strengthening the strategic planning for the innovation of products and services through a systematic analysis of the global environment. It supports the identification of opportunities and threats in different industries, such as automotive, chemical, pharmaceutical, food, among others. In this research unit we have developed Models by integrating tools like: Hoshin Kanri, QFD, Patent Mapping, Technology Road Mapping, Industrial Design (Kansei Engineering, Design Thinking), to mention a few, in which both domestic and foreign companies have participated.

Recent projects developed in this unit are related to Additive Manufacturing and 3D printing for manufacturing and health industries.

The objective is to identify opportunities to innovate through the determination of the industry trends (stakeholders, inventions, strategic movements, etc.) using tools such as patent and scientific literature datamining for technology mapping and knowledge landscape determination.



*Note: We encourage the researcher to develop its own line of investigation, contributing to Competitive Technology Intelligence.*

## Postdoctoral Researcher Vacancy

The area of Competitive Technology Intelligence is in a growing phase and it is looking for top researchers interested in joining the research team. The participant will be engaged in strengthen the academic programs such as the Master of Science with specialization in Manufacturing Systems, and will be working in close collaboration with this research area. PhD in Engineering and Technology relates areas are welcome.

### Requirements

- Strong interest on research.
- Excellent oral and writing skills in English, at least TOEFL score of 600 or equivalent.
- Statement of previous work, research interests and his/her future vision on the field including contribution to our research.
- Detailed CV including a list of publications and awards, and potential start date.
- Names and contact information of three references.
- Proactivity, autonomy, and strong orientation to results.

## Researcher Professor Vacancy

The School of Engineering and Sciences at the Tecnológico de Monterrey invites for applications for the post of Research Professor to join the Competitive Technology Intelligence group to develop its own research line within the Advanced Manufacturing Research Group. The duties associated with the position also include teaching activities for undergraduate and graduate levels (PhD in Engineering Sciences, Master of Science with specialization in manufacturing systems, among others). It is imperative for the candidate to have a solid level of research and a proven track of scientific publications.

### Requirements

- Strong interest on research and teaching.
- Proven teaching skills.
- Solid scientific production, at least level SNI (CONACYT, Mex) 1 or equivalent.
- Excellent oral and writing skills in English, at least TOEFL score of 600 or equivalent.
- Statement of previous work, research interests and his/her future vision on the field including contribution to our research.
- Detailed CV including a list of publications and awards, and potential start date.
- Names and contact information of three references.
- Proactivity, autonomy, and strong orientation to results.
- Vacancies are available for Monterrey, but there is flexibility for a different city in Mexico.



### Contact Info

**Dr. Marisela Rodriguez Salvador**  
marisrod@tec.mx

English: <https://competitiveintelligence.tec.mx/>  
Spanish: <https://inteligenciacompetitiva.tec.mx/>