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Author: Ms. Arantza Méndez Rodríguez  
Universidad Panamericana de Ciudad de México, Mexico

Mr. Axel Núñez Arzola  
Facultad de Ingeniería-UNAM, Mexico

Mr. Itzcoatl Nunez San Miguel  
Facultad de Ingeniería-UNAM, Mexico

Mr. Miguel Ángel Serrano  
Universidad Panamericana de Ciudad de México, Mexico

Mr. Alvaro Regules  
National Technology of Mexico (TecNM), Mexico

Ms. Cecilia Guadalupe Torres Perea  
Universidad Nacional Autónoma de México (UNAM), Mexico

Ms. Daniela Fernanda González Chávez  
Universidad Nacional Autónoma de México (UNAM), Mexico

Mr. Héctor Delgado  
High Technology Unit (UAT) Faculty of Engineering - UNAM, Mexico

HUMAN AND ROBOTS, A RELATIONSHIP THAT CAN SAVE LIVES

**Abstract**

Until a few years ago, it was believed that going to the moon was an impossible thing to do, but nowadays, thanks to the union of human ingenuity and technological advances, it is planned to visit the neighboring planet, Mars; and make out of space travel, a business. Of course, the development of technology is inevitable, but it is difficult to know where it is necessary to aim if you have a dying planet and an infinite number of systems to explore. You would think that looking for life on other planets or simply continuing to explore space means resigning to find a way to solve the Earth's problems, but what if the next discoveries help us improve the situation down here?

Now, when it comes to the role that astronauts, robots and intelligent systems could have in future missions, the astronaut is placed in the role of the mission leader, the robot as the actuator, and the systems as the assistants. It is considered that the development of missions without any of these parts could be difficult, the reason for this argument is that as technologies are developed and it is decided to advance and explore space more in depth, the conditions that arise may be affected, especially on the surfaces of other planets, that is why in those cases robots will be the best allies.

It is known that the assembly of the International Space Station finished in 2011, and since then some helpful technologies have been developed, such as the Astrobees that were launched for the last time in 2019, which help to optimize the time of astronauts as these robots carry out simple tasks for astronauts to focus more on investigations; This is a clear example of what is mentioned in the previous paragraph, technology is developed to optimize and facilitate tasks, since in terms of money, time is worth it and that capital can be invested in more technology. That is why in future missions the three pillars, astronauts, robots and intelligent systems will have to work together from the beginning of the missions to carry out their tasks effectively in order to obtain results and discoveries that will surely be of great help to the

problems we have today.