



# DropTES

## Nitinol and Medical devices

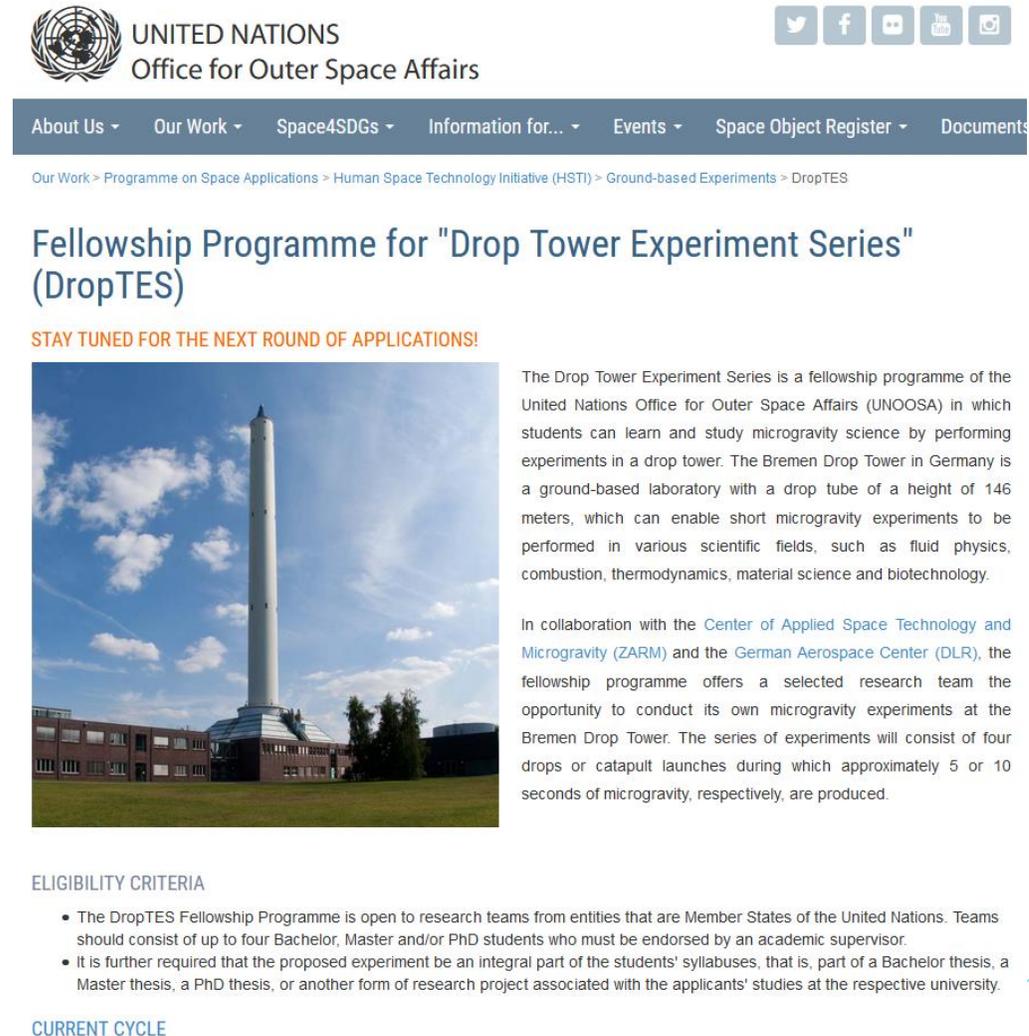
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The background features abstract, overlapping geometric shapes in various shades of blue, ranging from light sky blue to deep navy blue. These shapes are primarily located on the right side of the frame, creating a modern, layered effect. The rest of the background is plain white.

1. How did you get to know about the opportunity?

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## UNOOSA Website



The screenshot shows the UNOOSA website header with the logo and name, followed by social media icons for Twitter, Facebook, YouTube, and Instagram. A navigation menu includes 'About Us', 'Our Work', 'Space4SDGs', 'Information for...', 'Events', 'Space Object Register', and 'Documents'. A breadcrumb trail reads: 'Our Work > Programme on Space Applications > Human Space Technology Initiative (HSTI) > Ground-based Experiments > DropTES'. The main heading is 'Fellowship Programme for "Drop Tower Experiment Series" (DropTES)'. Below it is a call to action: 'STAY TUNED FOR THE NEXT ROUND OF APPLICATIONS!'. An image of the Bremen Drop Tower is shown. The text describes the programme as a fellowship where students can study microgravity science by performing experiments in a 146-meter drop tower. It mentions collaboration with ZARM and DLR. The programme offers a research team the opportunity to conduct microgravity experiments at the Bremen Drop Tower, with four drops or catapult launches providing 5 or 10 seconds of microgravity. The 'ELIGIBILITY CRITERIA' section states that the programme is open to research teams from UN Member States, with up to four students (Bachelor, Master, or PhD) who must be endorsed by an academic supervisor. The proposed experiment must be an integral part of the students' syllabuses, such as a Bachelor thesis, Master thesis, or PhD thesis, or a research project associated with their studies.

UNITED NATIONS  
Office for Outer Space Affairs

About Us ▾ Our Work ▾ Space4SDGs ▾ Information for... ▾ Events ▾ Space Object Register ▾ Documents ▾

Our Work > Programme on Space Applications > Human Space Technology Initiative (HSTI) > Ground-based Experiments > DropTES

## Fellowship Programme for "Drop Tower Experiment Series" (DropTES)

**STAY TUNED FOR THE NEXT ROUND OF APPLICATIONS!**



The Drop Tower Experiment Series is a fellowship programme of the United Nations Office for Outer Space Affairs (UNOOSA) in which students can learn and study microgravity science by performing experiments in a drop tower. The Bremen Drop Tower in Germany is a ground-based laboratory with a drop tube of a height of 146 meters, which can enable short microgravity experiments to be performed in various scientific fields, such as fluid physics, combustion, thermodynamics, material science and biotechnology.

In collaboration with the [Center of Applied Space Technology and Microgravity \(ZARM\)](#) and the [German Aerospace Center \(DLR\)](#), the fellowship programme offers a selected research team the opportunity to conduct its own microgravity experiments at the Bremen Drop Tower. The series of experiments will consist of four drops or catapult launches during which approximately 5 or 10 seconds of microgravity, respectively, are produced.

### ELIGIBILITY CRITERIA

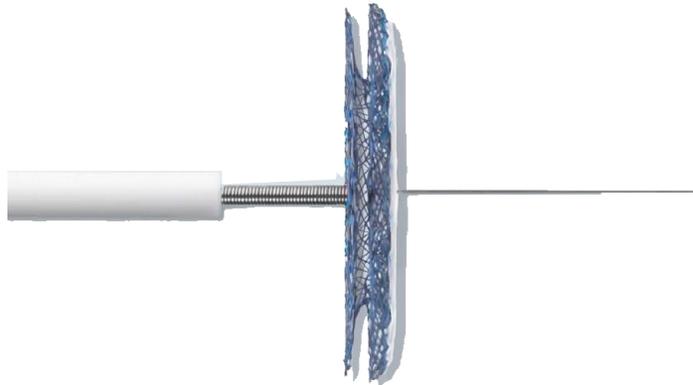
- The DropTES Fellowship Programme is open to research teams from entities that are Member States of the United Nations. Teams should consist of up to four Bachelor, Master and/or PhD students who must be endorsed by an academic supervisor.
- It is further required that the proposed experiment be an integral part of the students' syllabuses, that is, part of a Bachelor thesis, a Master thesis, a PhD thesis, or another form of research project associated with the applicants' studies at the respective university.

### CURRENT CYCLE

2. Why did you apply to DropTES? Why was the project needed or how did the project originate?

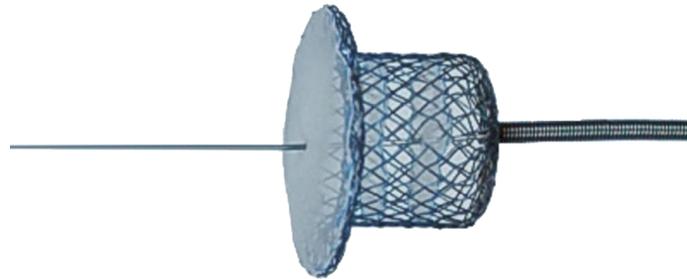
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**pfm**medical  
Quality and Experience



ASD

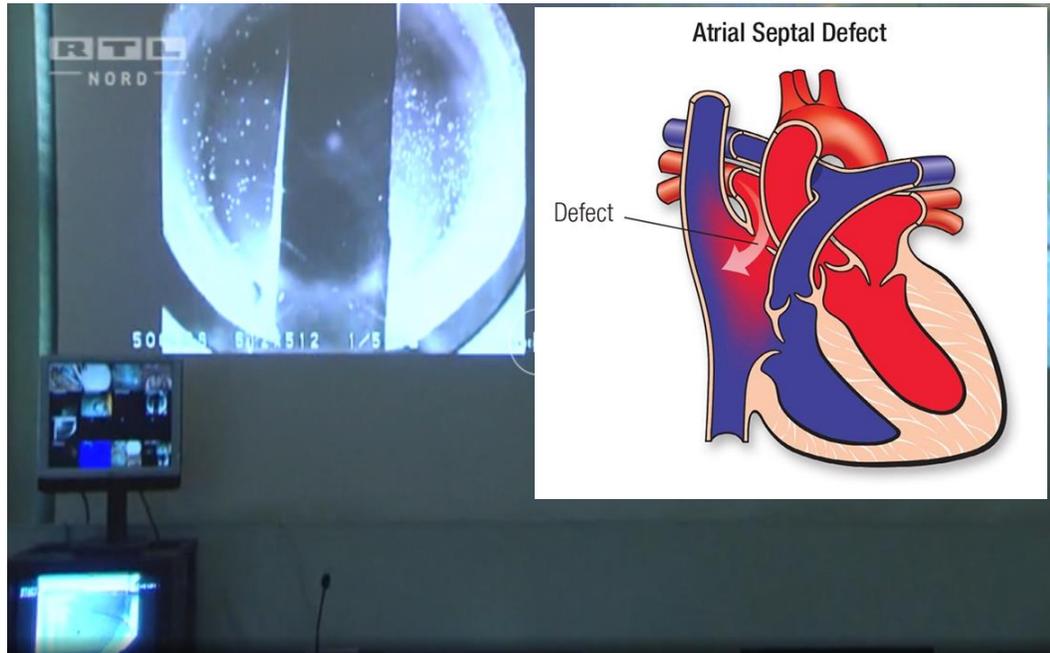
**pfm**  
S. R. L.



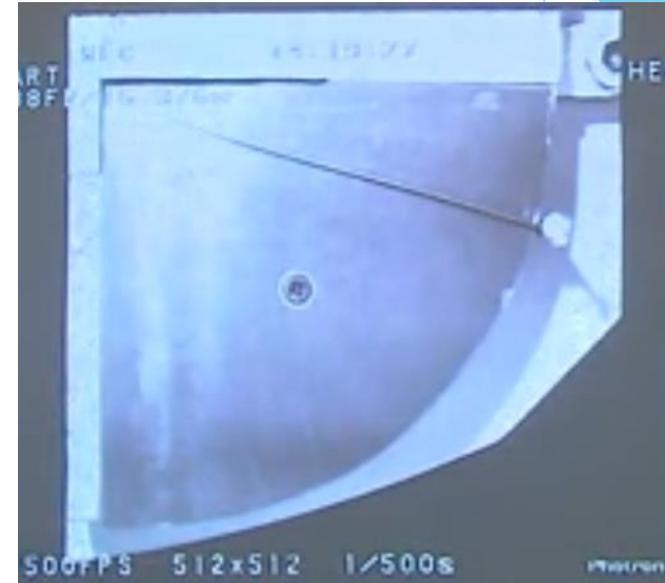
PDA

MEDICAL DEVICES MANUFACTURED WITH NITINOL FOR HEART DEFECTCS

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Heart emulator

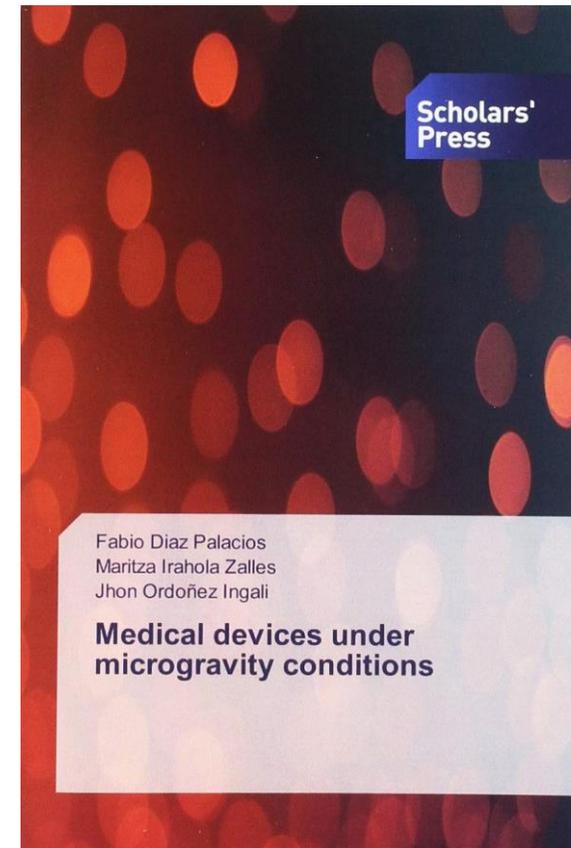


Shape-memory test

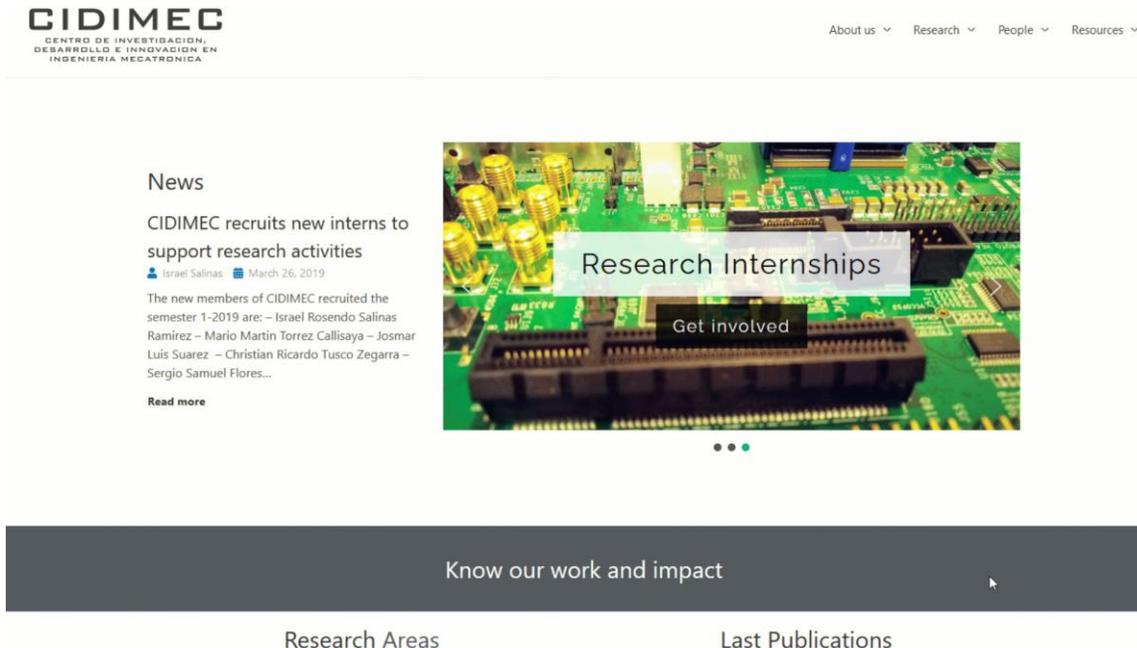


3. How has participating in DropTES changed the environment around you?

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**CIDIMEC**  
CENTRO DE INVESTIGACION,  
DESARROLLO E INNOVACION EN  
INGENIERIA MECATRONICA

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### News

#### CIDIMEC recruits new interns to support research activities

Israel Salinas | March 26, 2019

The new members of CIDIMEC recruited the semester 1-2019 are: – Israel Rosendo Salinas Ramirez – Mario Martin Torrez Callisaya – Josmar Luis Suarez – Christian Ricardo Tusco Zegarra – Sergio Samuel Flores...

[Read more](#)



Research Internships

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# #SOY MECA

Infraestructura moderna

HAZ CLICK AQUÍ PARA SABER MÁS

Inscripciones abiertas

MECHATRONICS DEPARTMENT

### 3. How has participating in DropTES changed the environment around you?



OUR RESEARCH ACTIVITY

## 4. Hopes for the future

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- ▶ Create a specific research area in space technology



source: spaceWatch



# THANKS!

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