

DropTES Team Experience 2015-2022



UNIVERSIDAD
CATÓLICA
BOLIVIANA
LA PAZ

Carrera de
Ingeniería
Mecatrónica

Fabio Díaz Palacios

La Paz - Bolivia

B A C K G R O U N D

2015 • DropTES 2015

2016 • Papers and Books publication
• Improving tests of medical devices

2017 • Become Head of Mechatronics Engineering Department.
• First Chapter of and Scientific Student Society (SCE) related to Aerospace technology

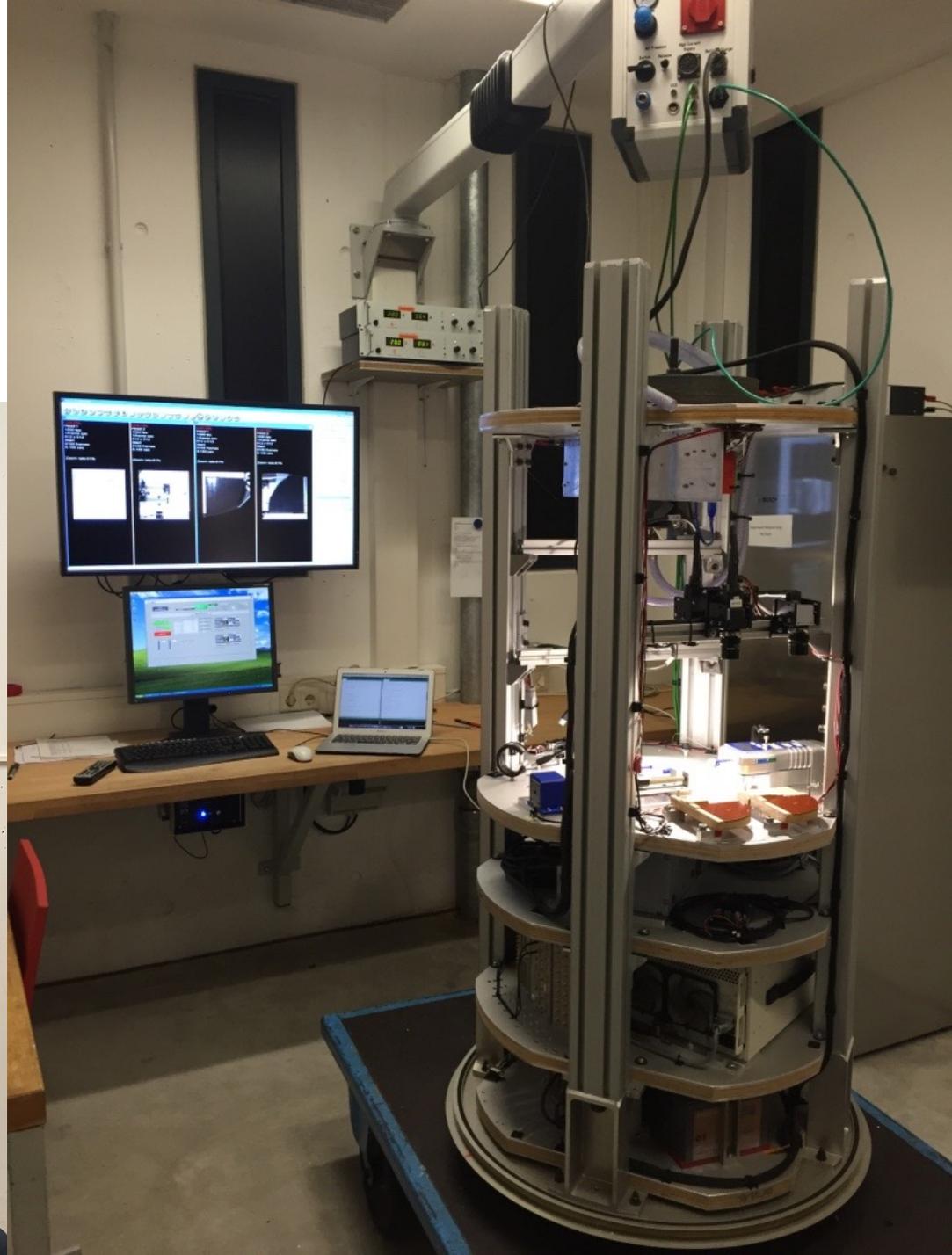
2018 • International conferences, contest and publications related to our SCE's Aérospatiale Chapter

2020 • Mechatronic Ambulatory Medical Breathing Device (COVID-19)
• DropTES 2020

2021 • Winners of International Award "NASA"
• Winners of Stratospheric Globe contest
• Papers publication related to Attitude Control in Nanosatellites

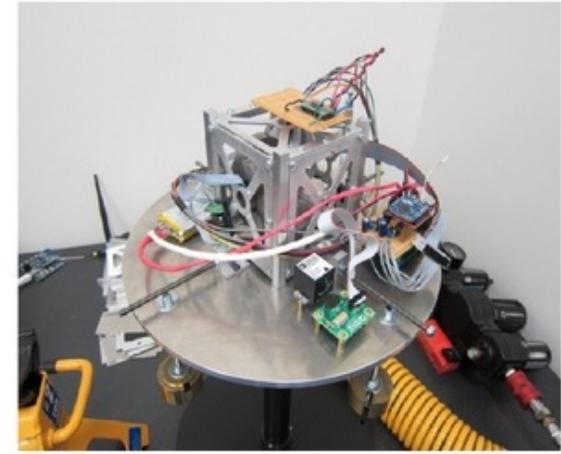
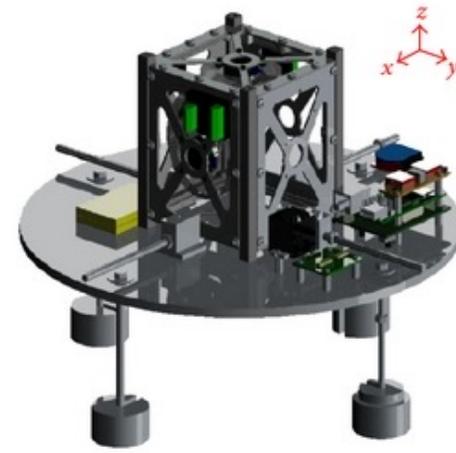
DropTES 2015

We have been awarded in order to test and analyze how medical devices and biomaterial such as Nitinol performs under Microgravity conditions



Impacts 2015-2019

We founded a new chapter and research line related to Aerospace Engineering and Technology. We start participating in national and international competitions such as NASA HERC, PADF aerostatic globe research, nanosats NASA research competition among others.



COVID-19

Thanks to the quality standards and soft skills development with the team of DropTES, during pandemic we decided to help our society with the use of technology.



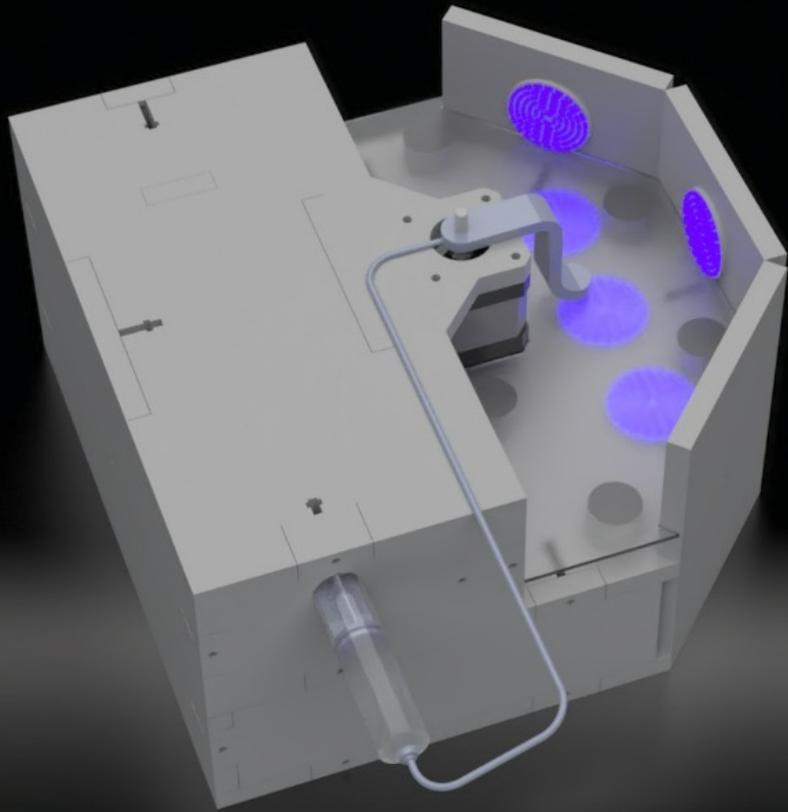
Project MAMBU

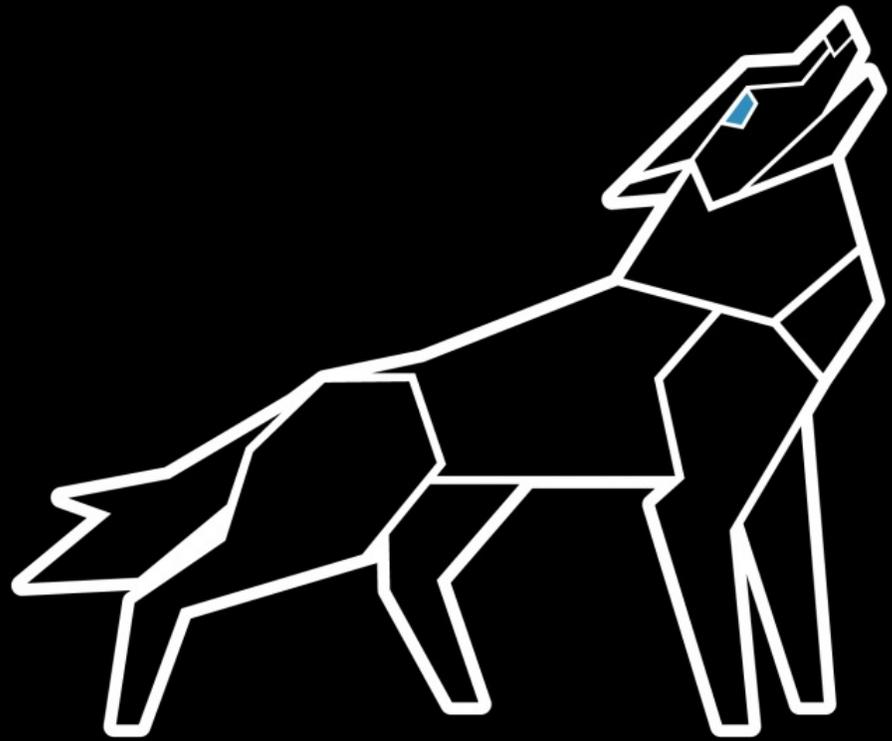
Mechatronic Ambulatory Medical Breathing Unit

Besides this Project had an indexed paper and regional awards, it also save many lives

DropTES 2020-2022

We decided to apply another time for the DropTES for 2020, waiting to understand and even propose a new additive manufacturing technic named as Microgravity Liquid Printing.





SCE

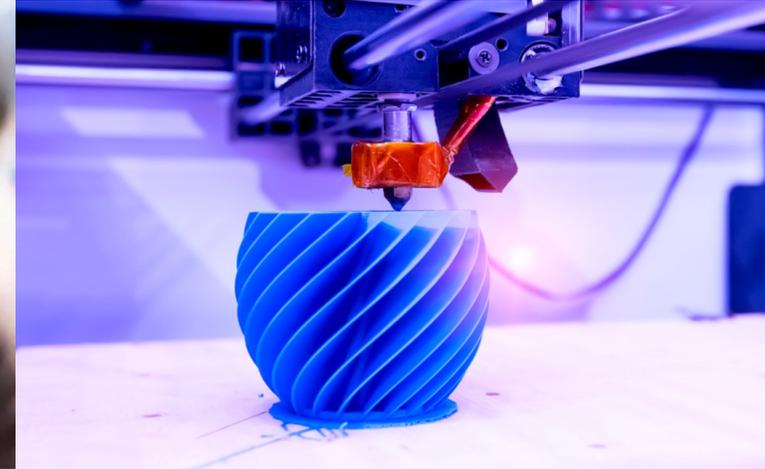
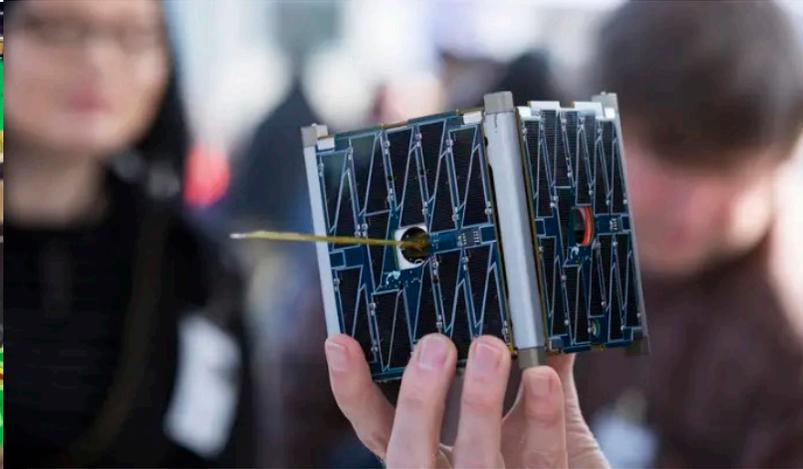
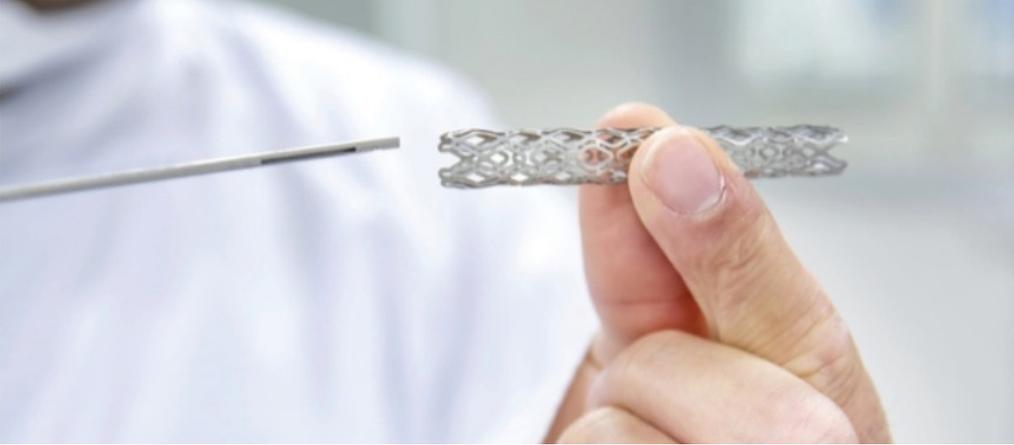
SOCIEDAD
CIENTIFICA
ESTUDIANTIL

Sociedad Científica: SCE

<https://www.imt.ucb.edu.bo/sociedad-cientifica-imt/>

- +20 projects
- +90 active students
- +5 international awards
- +11 indexed papers





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