MATT HARASYMCZUK

Bioastronautics Researcher, Aerospace and Software Engineer, Pilot
Working with ESA on Astronaut Lunar Extravehicular Activity

MATT HARASYMCZUK

matt@astromatt.space

facebook.com/matt.harasymczuk

linkedin.com/in/mattharasymczuk

youtube.com/mattharasymczuk

twitter.com/astro_matt

flickr.com/astromatt

slideshare.net/astromatt

github.com/astromatt

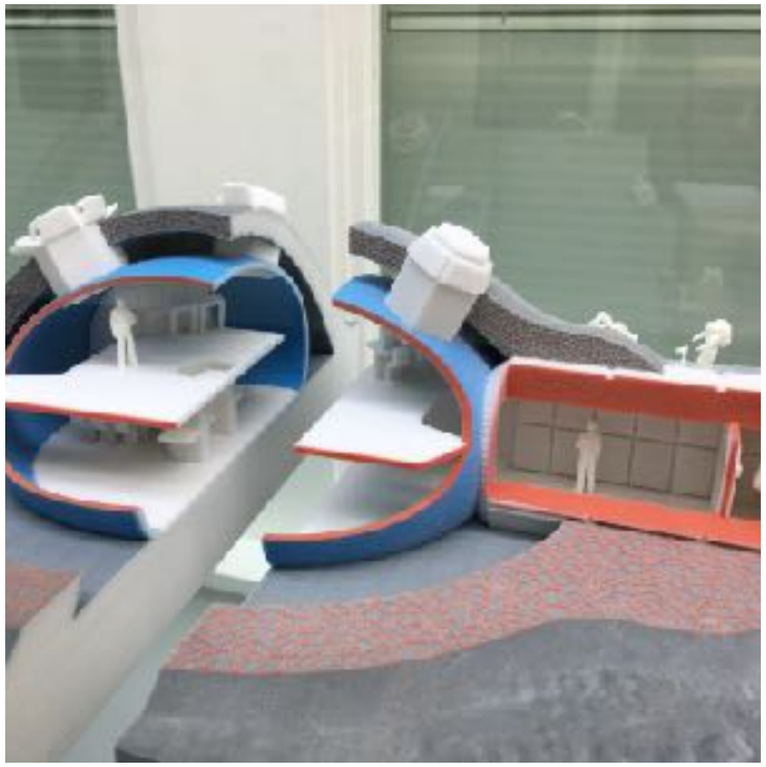
Leave voicemail at +1 (347) 542-7275

ABOUT MATT HARASYMCZUK

- Matt is a bioastronautics researcher, pilot, engineer (aerospace, software), scientist (biology, geology) skydiver, scuba diver and military combat medic (TCCC, ACLS).
- He currently collaborates on Moon and Mars research with European Space Agency on habitat, 3D bioprinter, photosynthetic bioink, hydroponic and aeroponic plant cultivation, polarized light influence on time perception and human time architecture.
- Matt graduated from project PoSSUM Scientist-Astronaut program where his main focus was on pressurized suit operations, hypoxia, human performance in micro-g and high-g environment.
- Favorite quote: "Per aspera ad astra".

ASTRONAUT TRAINING

- Aerospace Engineering
- Aviation and Aerobatics
- Biology and Bioengineering
- Chemistry and Material Science
- Education
- Engineering (Robotics, Mechanical, Software)
- Geology and Planetary Science
- M.A.R.S. habitat
- Analog Simulations
- Medicine (Tactical, Aerospace, Emergency, Radiology)
- Phisical Activity and Sports
- Public Speaking
- S.T.E.A.M.
- Sea Survival and Scuba Diving
- Simulators
- Skydiving
- Space Suit
- Stratosphere and Mesosphere Science
- Tactical Combat and Military
- V.I.P.
- You'll never walk alone



AEROSPACE ENGINEERING

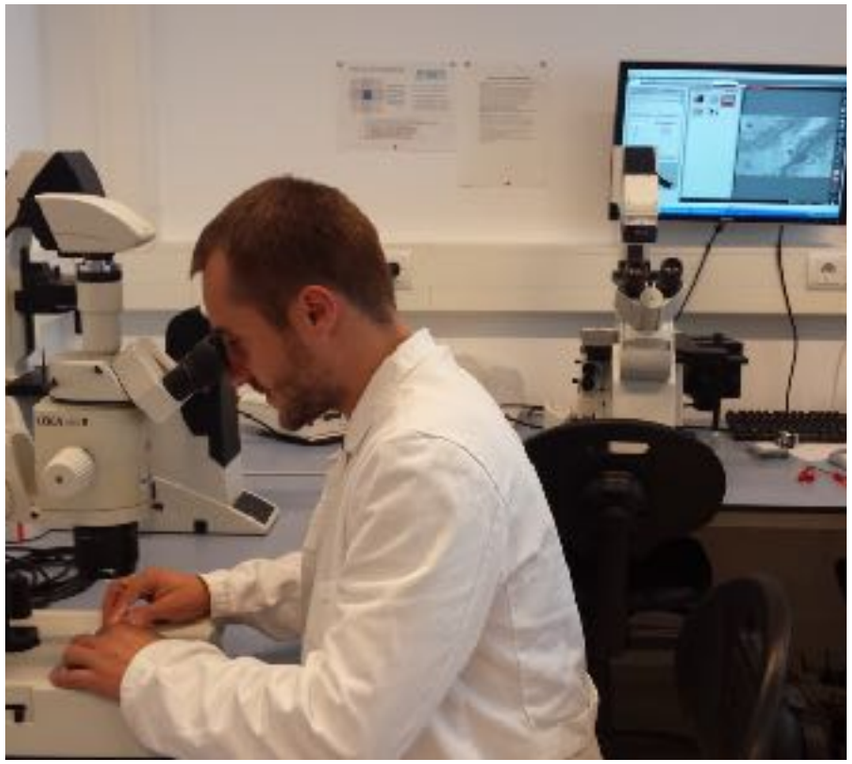
Rocket Science, Spacecraft Design, Control Theory

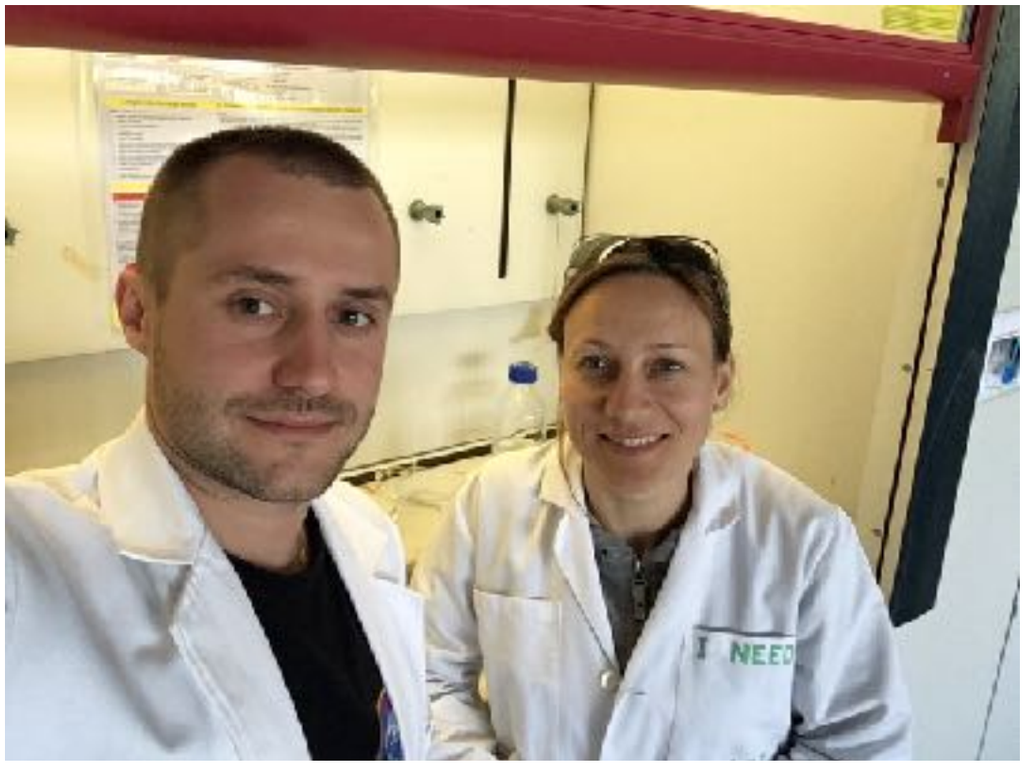
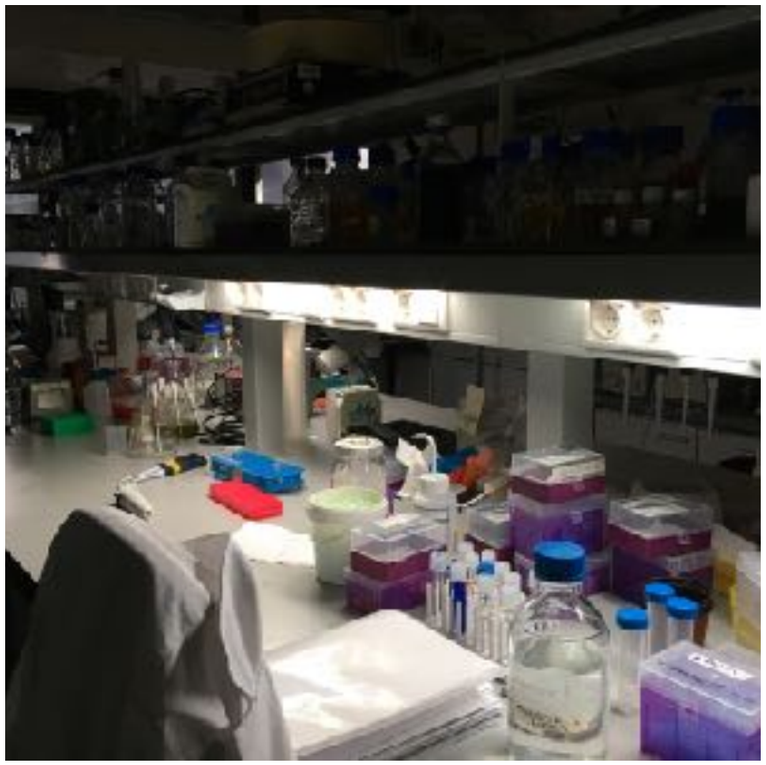
AVIATION AND AEROBATICS

- High-g and Micro-g Familiarization, Aircraft Operations in Stress Conditions

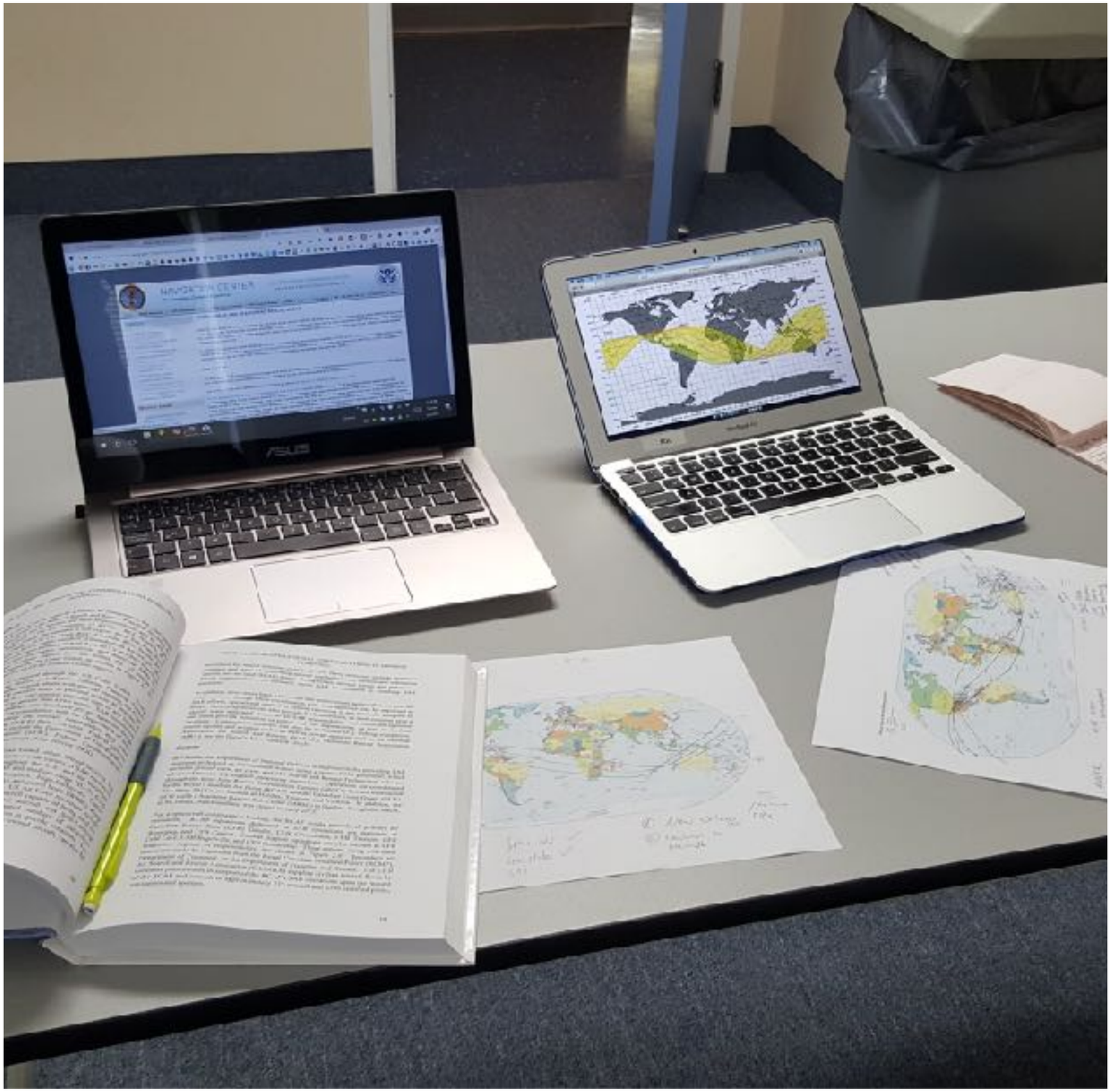
BIOLOGY AND BIOENGINEERING

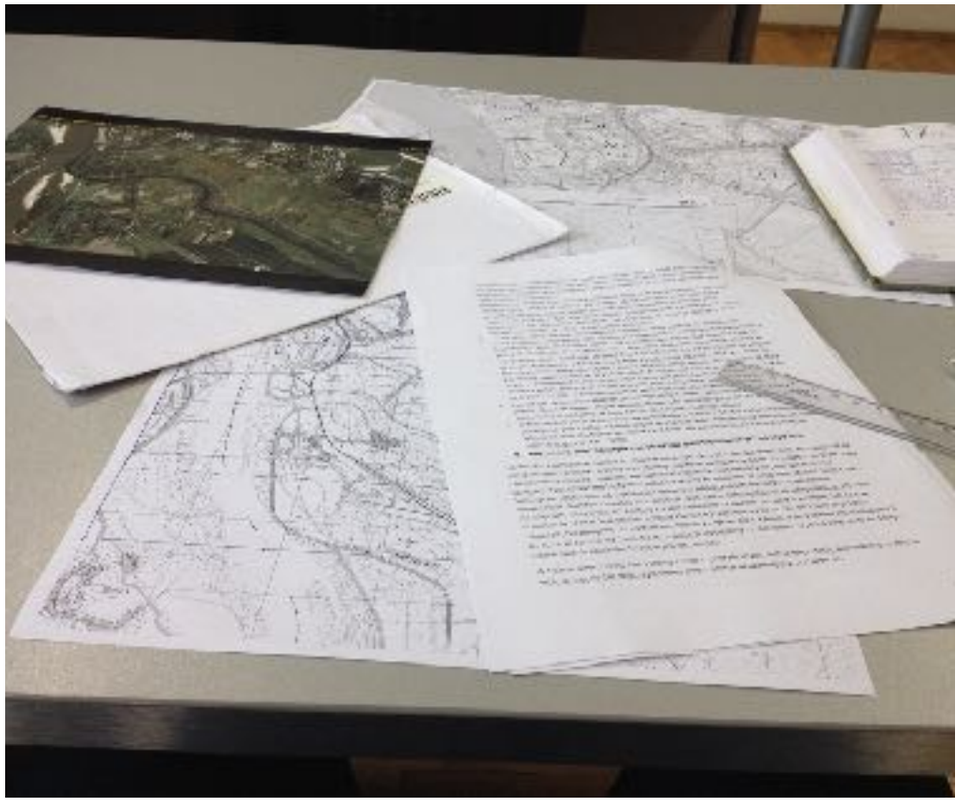
Hydroponic and Aeroponic Plant Cultivation, DNA Slicing and Sequencing



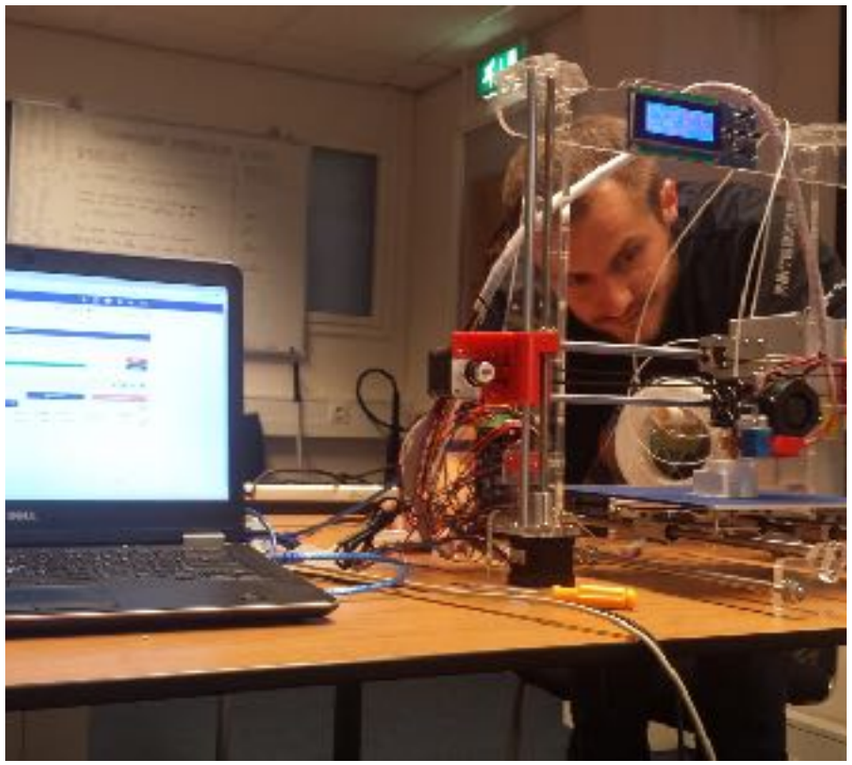
CHEMICAL ENGINEERING AND MATERIAL SCIENCE

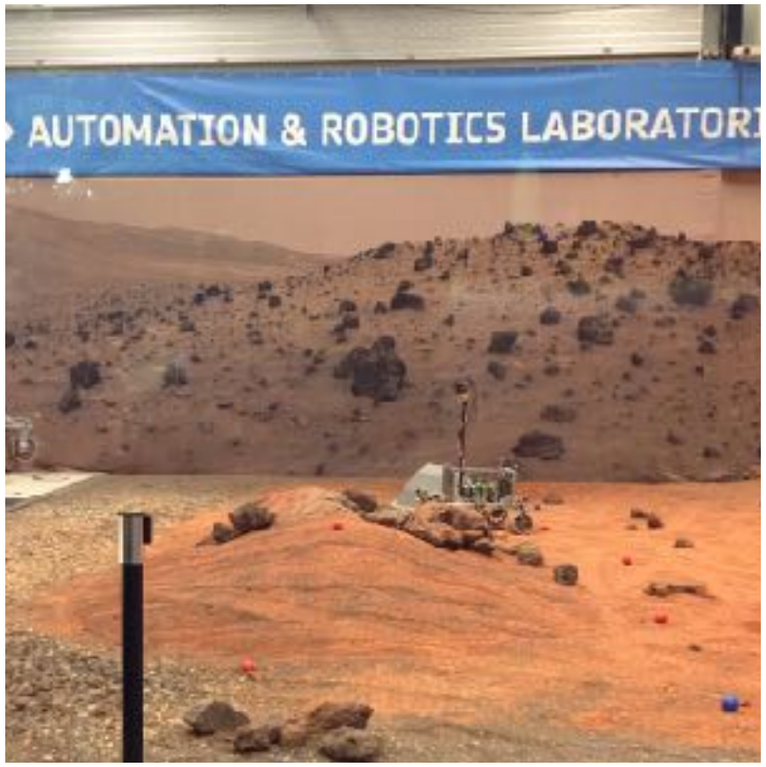


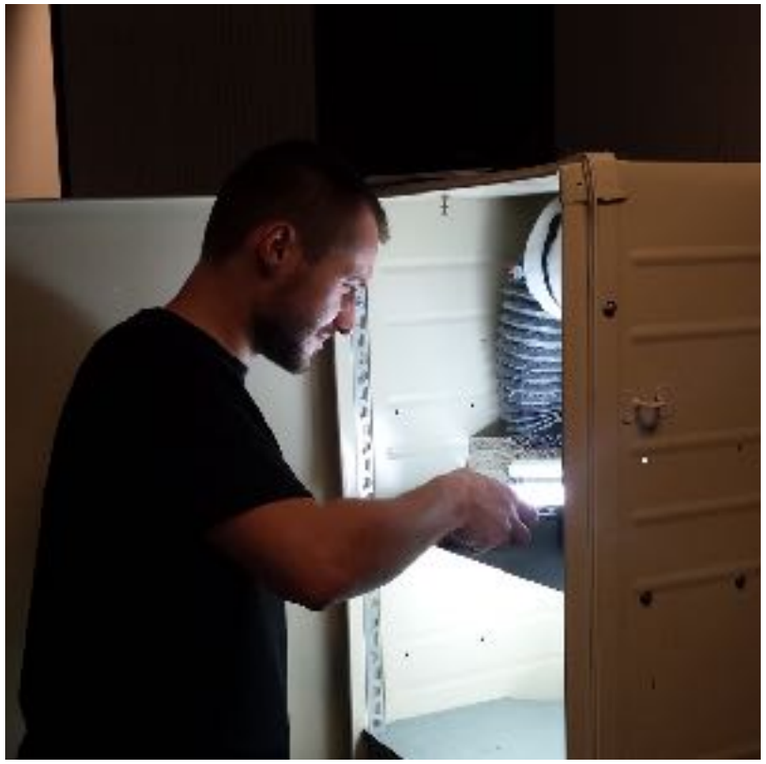


EDUCATION

Orbital Mechanics, Atmosphere Science, Photography, Russian Language

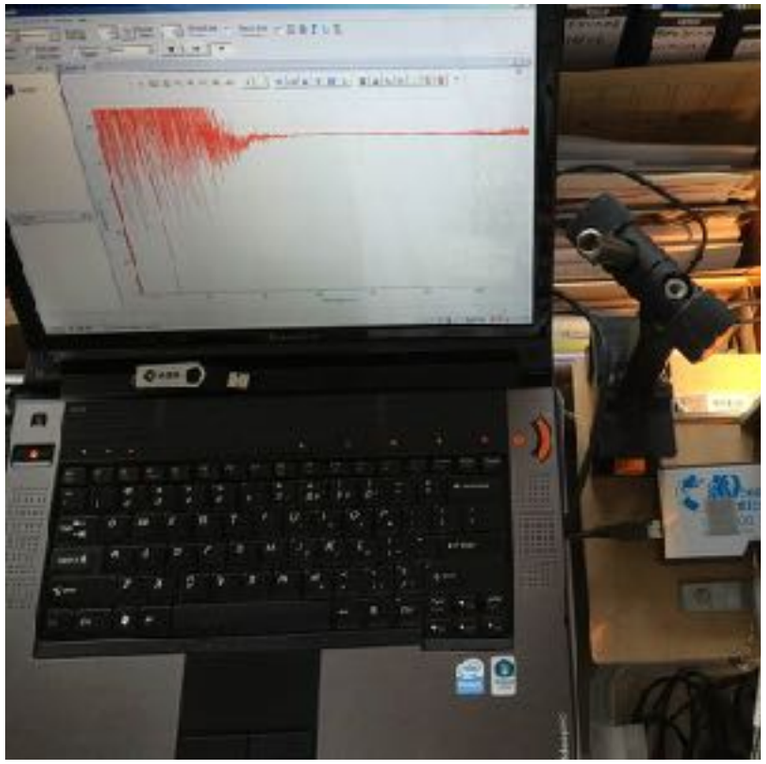






ENGINEERING

Robotics, Mechanical, Software

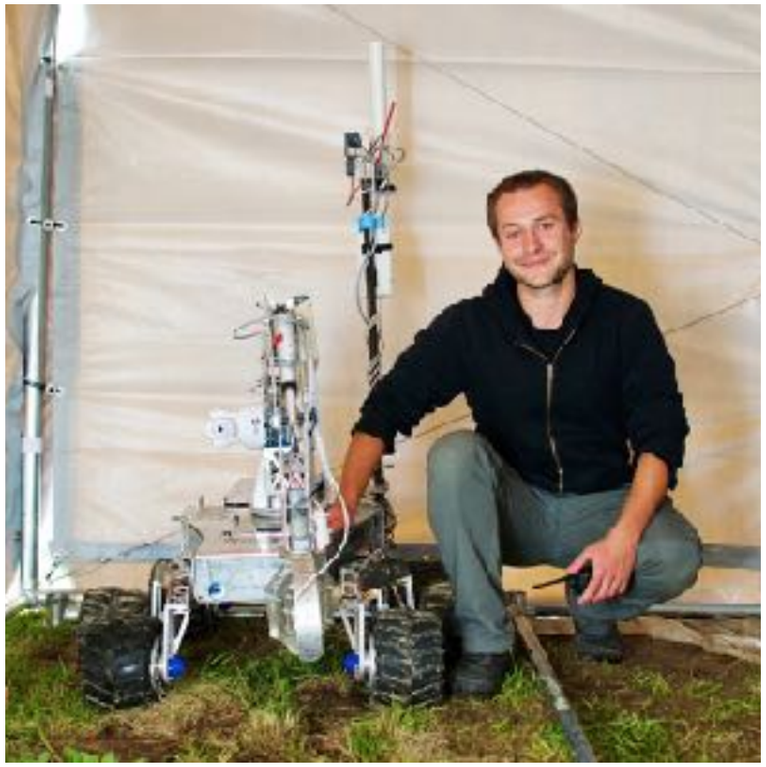


GEOLOGY AND PLANETARY SCIENCE

Identification, Sampling, Documentation, Spectrometry, Non-Contamination Drilling, Volcanology

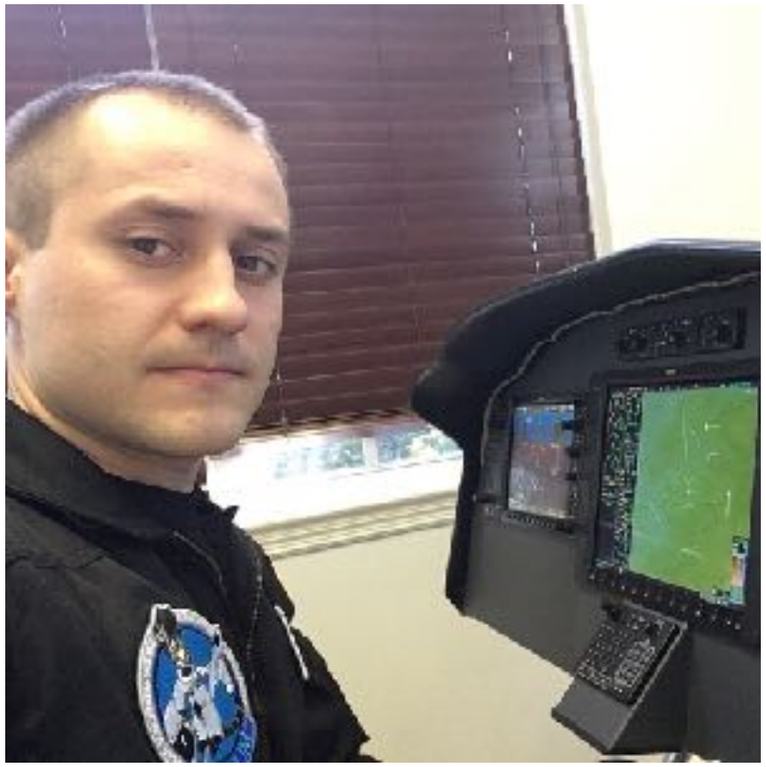
M.A.R.S. HABITAT (MARSHUB.ORG)

Hydroponic Greenhouse, Geo/Chem/Biol Laboratory



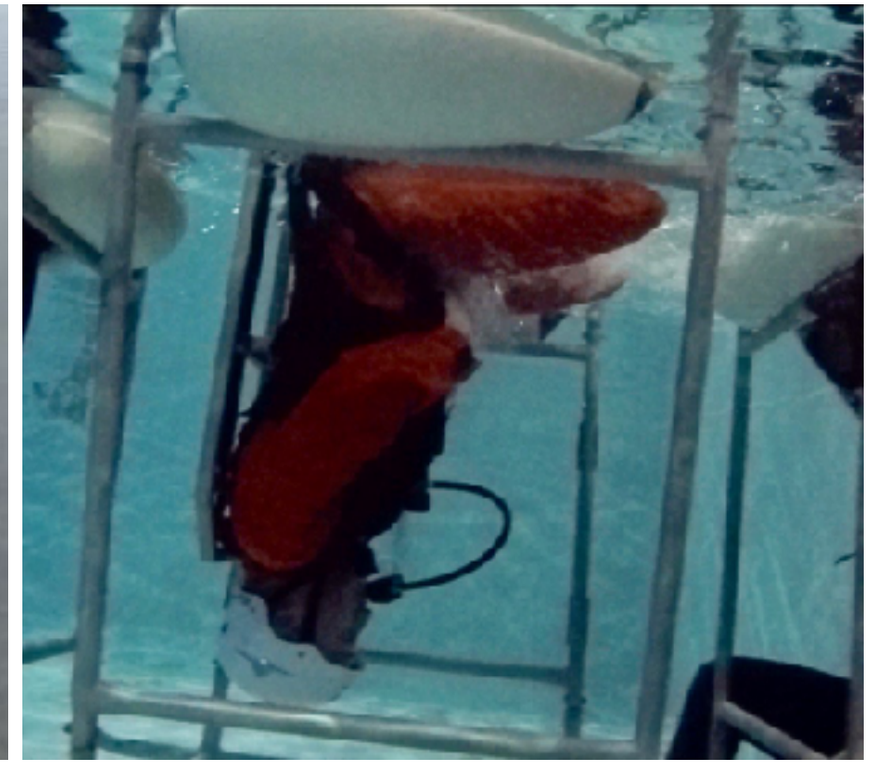
ANALOG SIMULATIONS

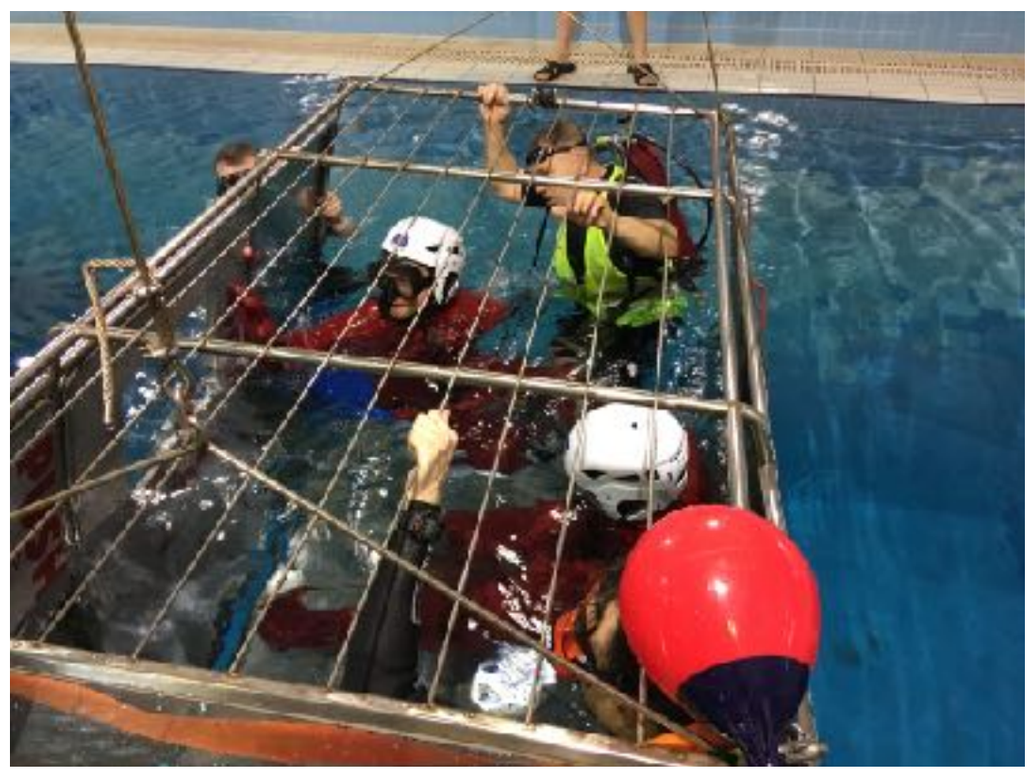
Psychology of Isolation, Social Group Dynamics, Geology, Telemedicine, Human-Robot Interaction



SIMULATORS

Ascent, Descent, Docking, Undocking, Emergency: Fire, Depressurization





SEA SURVIVAL AND SCUBA DIVING

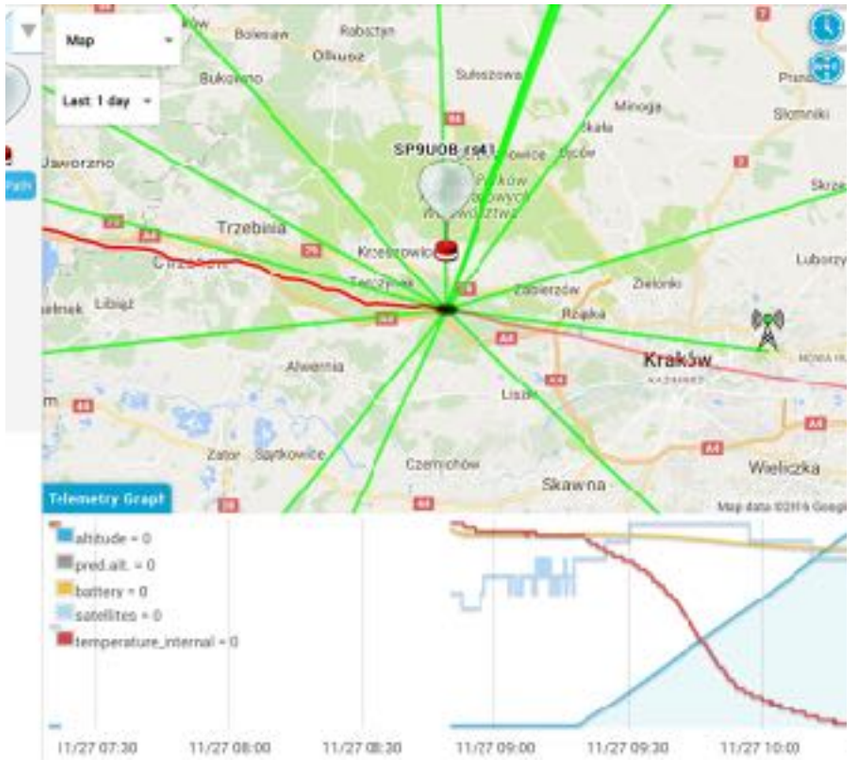
M.E.T.S. Trainer, S.W.E.T. Trainer, Neutral Buoyancy, Advanced and Rescue Diver

SKYDIVING

Free Fall, Aerodynamic Tunnel

BIOASTRONAUTICS AND SPACE SUIT

Space Suit Design, Pressurized Suit Operations



STRATOSPHERE AND MESOSPHERE SCIENCE

Upper Atmosphere Extremophiles, ELF - Extremely Low Frequencies, Noctilucent Clouds

TACTICAL COMBAT AND MILITARY

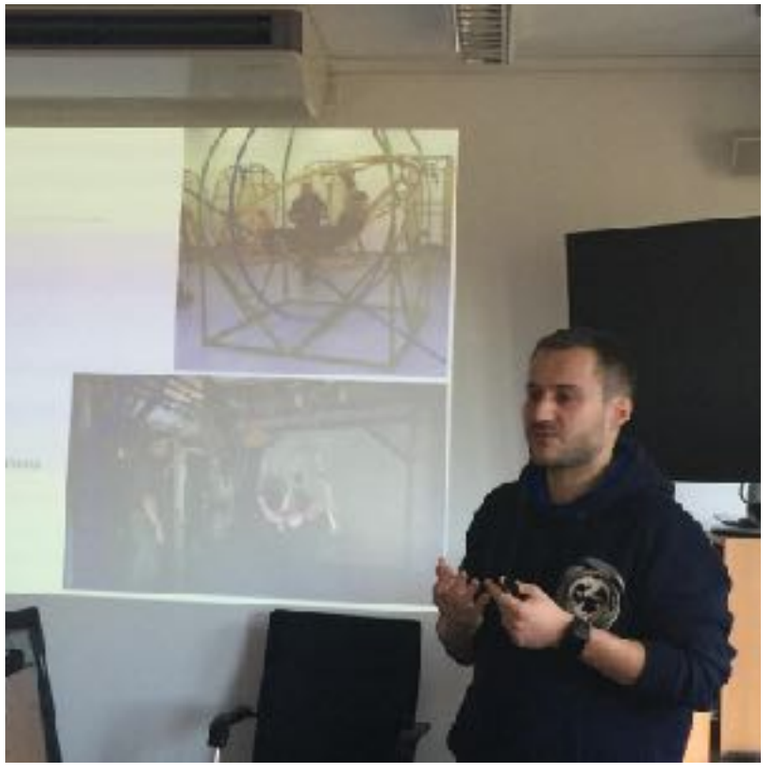
Teamwork, Agility, Leadership

MEDICINE

Aerospace, Emergency, Tactical, Radiology

PHYSICAL ACTIVITY AND SPORT

Prevent Muscle Mass and Bone Density Loss



PUBLIC SPEAKING

Science and Space Advocacy

S.T.E.A.M.

Public Awareness Through Art and Science

V.I.P.

Astronauts, Spacewalkers and Moonwalkers

YOU'LL NEVER WALK ALONE...

Teamwork, International, Multicultural, You don't see any boarders from space...

MATT HARASYMCZUK

matt@astromatt.space

facebook.com/matt.harasymczuk

linkedin.com/in/mattharasymczuk

youtube.com/mattharasymczuk

twitter.com/astro_matt

flickr.com/astromatt

slideshare.net/astromatt

github.com/astromatt

Leave voicemail at +1 (347) 542-7275