STARTUP

VILNIUS UNIVERSITY

VILNIAUS UNIVERSITETAS · 1579 · UNIVERSITAS VILNENSIS

CONTENTS

UAB "BIOANALIZĖS SISTEMOS"

About the Company

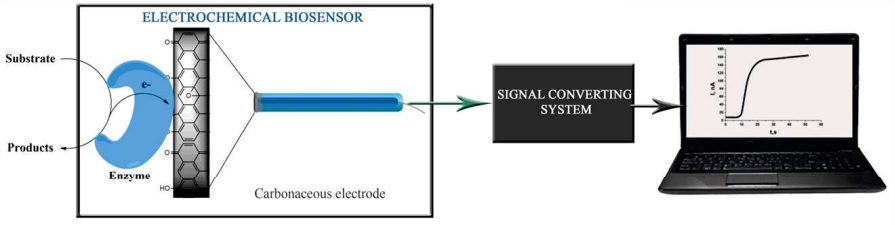
UAB Bioanalizės sistemos – a startup company founded in 2014 by experienced scientists from Institute of Biochemistry of Vilnius University. Team has expertise in biosensor technologies and is developing urea measurement solutions for various markets - clinical diagnostic, chemical industry, agricultures, etc. Company provides following services based on biosensor technologies:

- production of membrane biosensor electrodes for various analytes (glucose, urea, ethanol, fructose, etc.);
- determination of such analytes in provided samples;
- testing of portable glucose meters, issued for diabetes mellitus patients with high blood glucose level;
- design and production of standalone, custom, user-friendly bioanalytical systems according to customer‘s requirements.

Biosensor device

Biosensors are bioanalytical systems which selectively respond to one of thousands of compounds present in complex media solutions. Such electrochemical systems work on principle of enzymatic substrate specificity; they are frequently used in devices such as portable meters for glucose in blood.

blood or other water-based media samples. It is fast, affordable (~0.005 EUR per measurement), accurate, easy to operate, small footprint analytical instrument. Company is planning to develop new instruments based on this core platform not only urea, but also other metabolites.



Urea is a final product of metabolism of aliphatic nitrogen in organisms. Rapid determination of urea is very important not only in clinical analysis (e.g. patients with renal failures undergoing haemodialysis procedures), but also in real time urea measurement in chemical, food industries, waste treatment and agriculture, too.

UAB Bioanalizės sistemos has developed a biosensor platform for measurements of urea in


ETERONA

ETERONAS

About the Company

Eteronas – a startup company founded in 2014 by a scientist from Vilnius university who developed a cost efficient technology that is used to produce flat masked satellite antenna. These antennas are ideal solution for users who seek to lower visual pollution in cities as well as for placements of flat masked antennas in areas where use of "dish" design satellite antenna is restricted (e.g. historical architectural buildings).The technology allows fully customized appearance of the antennas. Company has also expertise in innovative and resistant signal jammers.

ETERONAS

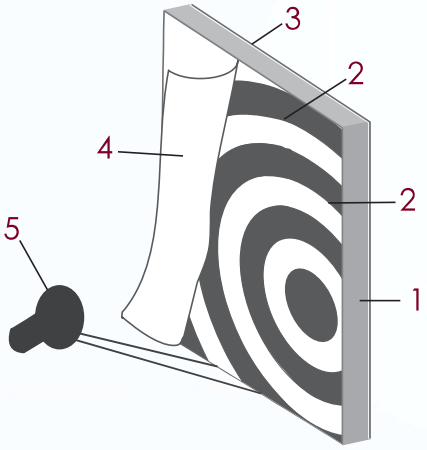
MINIMALIAI MATOMA PALYDOVINĖS TV

Eteronas has developed a flat masked satelitte antenna that can already be produced as per clients' orders.

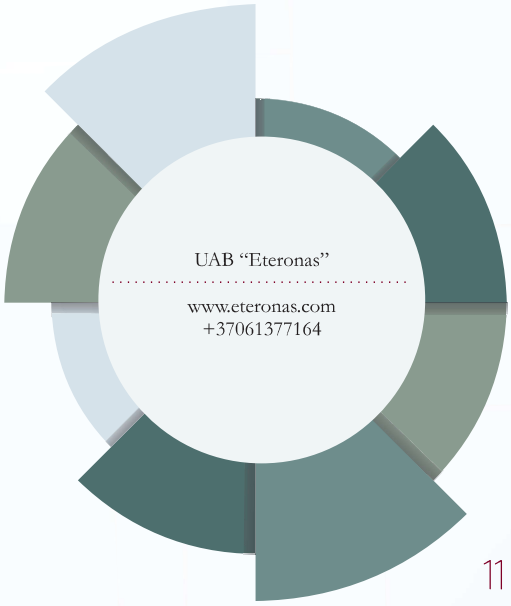
The antenna is based on Fresnel zone pattern what allows for it to be flat, thin, and masked to the surface of a building it is attached to.

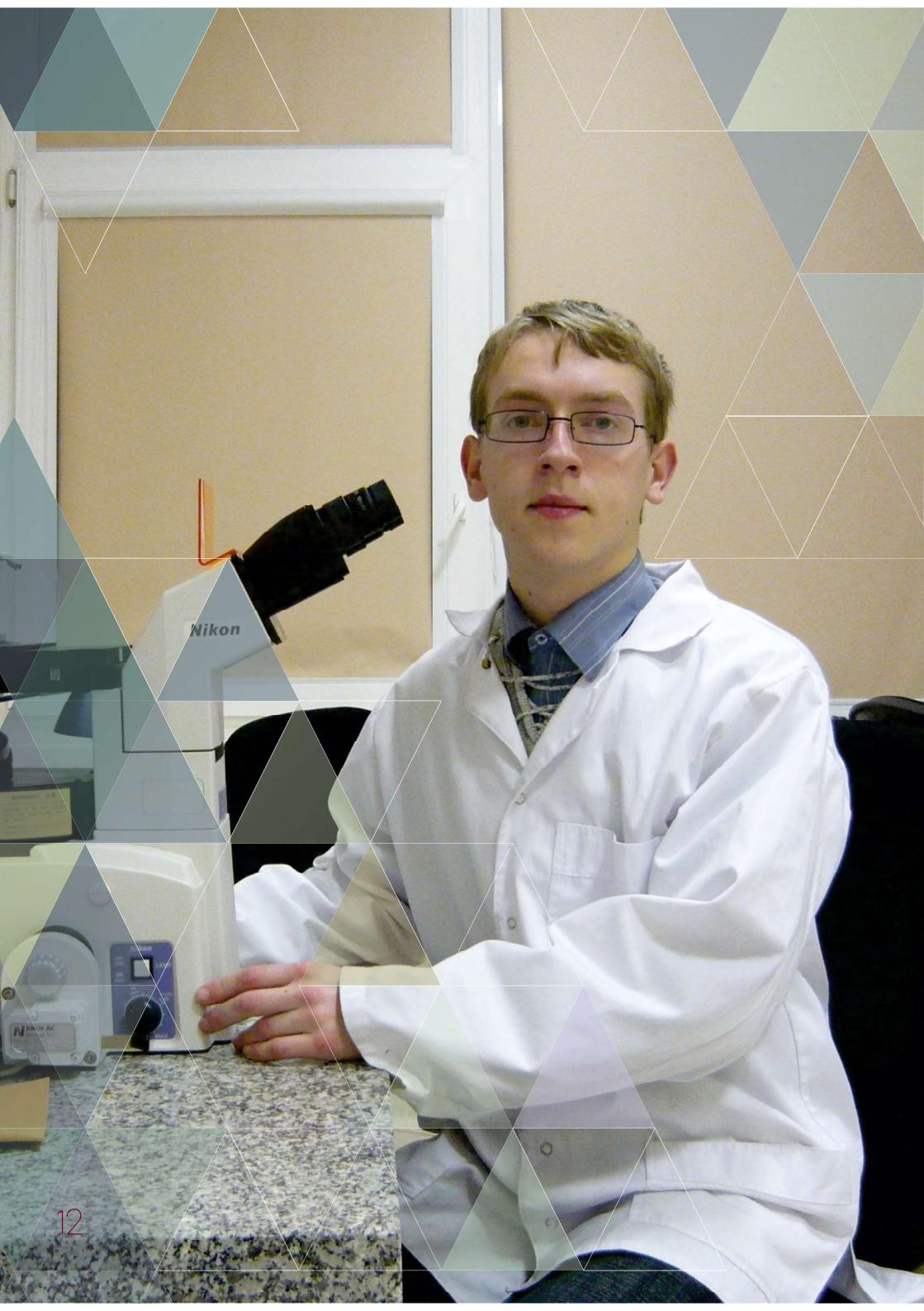
Production of antenna requires a location where it will be used as well as the name of a satellite that will be viewed.

It is then individually produced for the buyer and shipped to its location.



1 - panel;
2 - Fresnel zone pattern;
3 - conducting layer;
4 - protective layer;
5 - converter.




Nikon

MB "LABORATORIJŲ AUTOMATIZAVIMO SPRENDIMAI"

About the Company

Laboratorijų automatizavimo sprendimai is a start-up company, founded in 2014, the main focus of which is development of an open source hardware and accompanying software that would help users to achieve large-scale process automation, lower operational costs, digitize workflows and to reduce as well as simplify human labor involvement primarily in life science research both academia and industry. Recently company has developed a user-friendly modular hardware prototype that can be easily modified by the user.Researchers will be able to customize device for a particular application. This first prototype product is an open source medium size orbital shaker for various chemistry and microbiology applications. Company is planning to develop and manufacture accompanying range of various products on this core platform as well as to create and develop new instruments for various fields in chemistry and microbiology research.


Atviro kodo orbitinė kratyklė
Open Source Orbital Shaker
Prototipas Prototype
DKU001

Tabletop orbital shaker

An incubated open source hardware tabletop orbital shaker prototype allows users to view sample(s) without disturbing chamber atmosphere and provides outstanding temperature uniformity. Shaker platform can easily accommodate not only conical flasks, but also beakers, jars, bottles, sample tube holders, vials, and microplates. Over- and under- temperature tracking ensures protection of samples and growth culture. Remote communication system allows users to check status of the running batch by means of connected sensors (such as temperature, ph level, viscosity, certain gas level detection) from anywhere on the internet including high quality video from the integrated camera as an option. Later versions are planned to have options for certain prearranged components insertion into the shaken medium by a remote controlled platform.

Consequently adjustment of such essential parameters as ph, certain feed level as glucose, protein, mineral mixes etc. will be possible. This hardware will greatly increase rest levels as well as productivity of lab technicians and researchers.


DATAMUSE
Fermilab

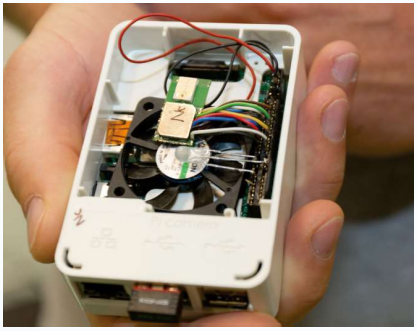
UAB "LOKACIJOS SISTEMOS"

About the Company

Lokacijos sistemos is an innovative customer tracking solutions providing company that was founded as a start-up from Vilnius University, Lithuania in 2014. Company specializes in developing and providing the innovative customer in-door and outdoor tracking and queue management solutions based on various radio frequency devices and custom algorithms for amusement parks, retail, sports, etc.

Realtime Customer Tracking & Identification for Amusement Business

DATAMUSE is an innovative, multifunctional & cost-effective radio frequency based technology that gives you high-end data about both your customers and business. DATAMUSE determines, records, predicts & analyzes customers' locations, preferences and future "wishes". Its multiple features gather valuable data that helps you make informed decisions related to your business & customers as well as your B2B channels. Radio Frequency technology allows to track customers in real time with amazing precision both indoor and outdoor.



UAB "Lokacijos sistemos"

Valdas Rapševičius
+37061837331
valdas@loksys.lt

UAB "NANOAVIONIKA"

About the Company

NanoAvionics – is an aerospace company founded as a spin-off from Vilnius University, Lithuania in 2014. Founders of the company are members of successful first Lithuanian CubeSat project LituanicaSAT-1 which was one of two first European CubeSats launched from International Space Station. NanoAvionics had won a pre-seed grant from National Agency for Science, Innovation and Technology of Lithuania and has obtained seed investment from Venture Capital fund Practica Capital in 2015. The company specializes on integrated CubeSats and Small Satellites solutions for commercial and scientific missions: mission design, hardware assembly, integration and verification, testing campaigns, standardised products (Command and Service modules, On-board Computers, Attitude Determination and Control Systems, Solar panels, Structural elements), modular chemical propulsion systems.

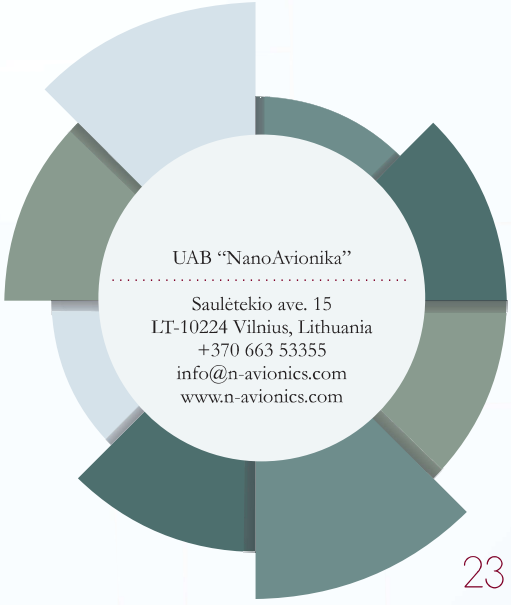
NanoAvionics SatBus 3C0

During the LituanicaSAT-1 project team has faced some significant software and hardware integration challenges integrating components from a several different suppliers. As time consumption was substantial for a relatively short duration small satellite project,a market opportunity was identified to commercialize experience gained and to develop a new generation highly integrated electronic system with related operating software.

SatBus 3C0 - is highly integrated small satellite main bus containing 3 in 1 functionality:

- on-board computer;
- attitude determination & control system;
- communication system.

It is designed to be compatible with CubeSat standard but also appropriate for small sized spacecraft missions. The system is built to save customer's time, budget, volume for payload, integration effort and to increase overall system reliability which is crucial important for every satellite mission.



UAB "UBIQUE CALCULUS"

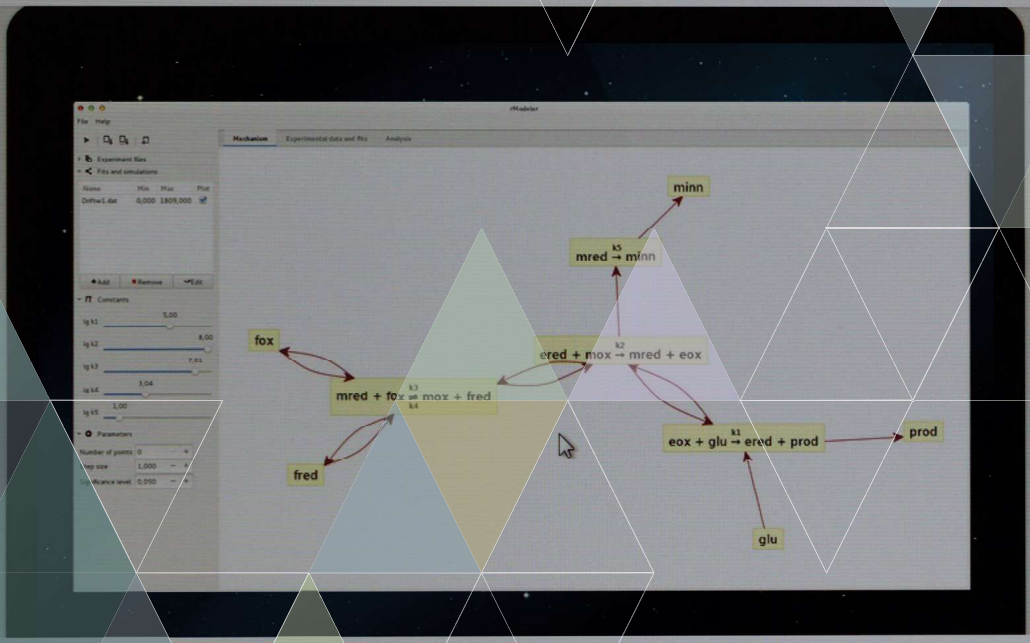
About the Company

Ubique calculus (Ubicalc) is a scientific software company that was founded in 2014 by two researchers at Vilnius University – Audrius Laurynėnas (research area – biochemistry) and Justinas V. Daugmaudis (mathematics and informatics). This synergistic cooperation enabled the team to design and implement innovative software for scientists from biotech, chemistry and life science industry and academy. Company focuses and has expertise in modeling of chemical, biochemical and electrochemical reactions, experimental data analysis and fitting.

Ubicalc Software | Ubique

žymes. Importuoti žymes dabar...

Ubicalc



Ubique Calculus

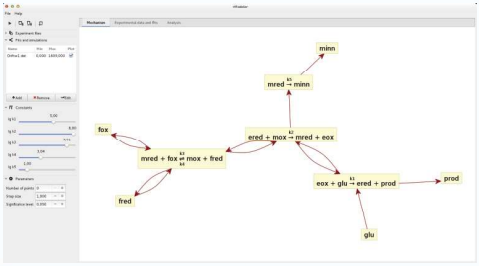
Ubique Calculus Ltd. (Ubicalc) is a recently
company. Its current areas of research and
chemical, biochemical and electrochemical
data analysis and fitting. The company was
Lithuania, in 2014 by two young researche
Audrius Laurynėnas (research area – bioch
Daugmaudis (mathematics and informatics
cooperation enables us to design and impl
for scientists from biotech, chemistry and
academy.

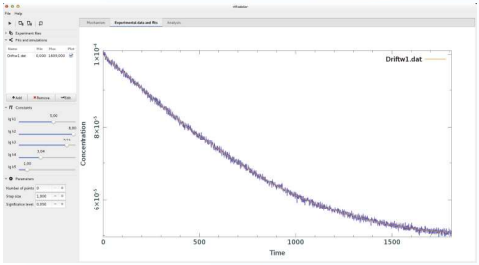
« Read less

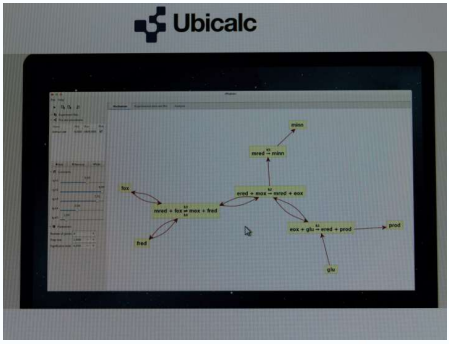
Our mission is to develop outstanding soft

rModeler

Innovative combination of numerical algorithms and easy-to-use graphical user interface offer state of the art experiment planning and experiment data analysis. Implemented algorithms and analysis frameworks offer reaction rate parameters' estimation, statistical credibility analysis and reasonable differentiation between viable reaction schemes. These advantages help greatly reduce research time and experiments' costs.







UAB "Ubique Calculus"

Šnipiškių g. 2-17
LT-09309 Vilnius, Lithuania
+370 692 69623
info@ubicalc.eu
http://www.ubicalc.eu/

NOTES

NOTES

START UPS from VILNIUS UNIVERSITY

LIDARIS
LIDT Service

Gabitus

IMD
TECHNOLOGIES

nano
avionics

Baltymas

Ubicalc

bioanalizės
sistemos

LEDIGMA
Let's colour the life!

femtika

NOMADS

Ledakis

LOKSYS

LAS
Laboratorijų
automatizavimo
sprendimai

Profarma

ETERONAS

Platelet BioGenesis

ThermoPharma

Anrena

Vilniaus universitetas

e-Mail: mokslas@cr.vu.lt,
http://www.vu.lt/en/research
facebook.com/VilniusUniversity
instagram.com/vilniusuniversity

MOKSLAS · EKONOMIKA · SANGLAUDA
EUROPOS SĄJUNGA
Kuriame Lietuvos ateitį

Europos socialinis fondas
Europos regioninės plėtros fondas