

公司介绍

Liquid Instruments 成立于 2015 年，由澳大利亚国立大学（ANU）物理系教授 Daniel Shaddock 建立，初创团队由量子科学、精密测量、数据科学、软件工程等科研人员组成，专注高精度科学测试测量仪器的研发。Liquid Instruments 旨在面向科研人员、工程师以及需要高精度测量实验人员提供多功能合一信号测量及控制设备，为用户创造更高效、灵活流畅的实验室体验。

由 Liquid Instruments 研发的多功能电信号测控仪器 Moku:Lab，是一款基于 FPGA 开发的灵活配置扩展的测控设备，集成锁相放大器、激光锁频/稳频、相位表、任意波形发生器、示波器等 12 个专业仪器功能。可对信号进行全面时域、频域与相位特性分析，适用于信号采集、处理分析、控制系统等应用。目前已经在全球销售超过几百所，在中国销售超过 40 所来自光学、物理、工程等领域专业科研院所和高校实验室。

公司主页：liquidinstruments.com

English version

About Liquid Instruments

Liquid Instruments was founded in 2015 by Daniel Shaddock, Professor of Physics at the Australian National University (ANU), with a team of experimental physicists and engineers with expertise in quantum science, precision measurements and gravitational wave detector instrumentation. They focus on the development of high-performance test and measurement instruments that redefines the way scientists, engineers, students, and professionals do test and measurement.

Liquid Instruments' first product, Moku:Lab, is a software-configurable hardware platform for test and measurement that combines the signal processing power of an FPGA with high-speed analog inputs and outputs. Moku:Lab includes a suite of twelve professional-grade instruments that enable users to seamlessly acquire data, run measurements and control their experiments. Moku:Lab has been sold to hundreds of research institutes and university laboratories from optics, physics, engineering and other fields.

Web: liquidinstruments.com

合作需求

- 扩大产品在国内的知名度，寻找有意向的客户
- 邀请更多的高校教学客户与我们合作开发基于 Moku: Lab / Moku: Go 的实验课程

English version

Our expectations for this meeting

- Increase our brand awareness in China, and look for interested customers
- Invite more educational customers to collaborate with us to develop experiments courses based on Moku:Lab/ Moku:Go.

报告题目

Moku:Lab-开启软件定义精密测量仪器的时代

报告人

Daniel Shaddock, CEO

Daniel Shaddock 教授是澳大利亚国立大学的物理学教授，他专注于利用先进的数字信号处理进行精密测量的研究。Shaddock 教授领导澳大利亚参与了 GRACE Follow-on，这是一项于 2018 年 5 月发射的“重力恢复与气候实验的后续”卫星任务，用于监测地球水循环和气候变化。在这项工作之前，Daniel 是 NASA 喷气推进实验室的主任研究员，承担 LISA 的激光干涉仪架构任务。他还是美国物理学会会士，已发表文章被引超过 2 万次。2017 年诺贝尔物理学奖授予引力波探测项目，Shaddock 教授是该论文的合著者之一。

English version

Presentation title

Moku:Lab and the age of precision measurements with software-defined instrumentation

Speaker

Daniel Shaddock, CEO

Daniel Shaddock is also a Professor in Physics at the Australian National University. His research focuses on precision measurement using advanced digital signal processing. Prof Shaddock led Australia's involvement in GRACE Follow-on, a satellite mission launched in 2018 to monitor the Earth's water movement. Prior to this work Daniel was a Director's Fellow at NASA's Jet Propulsion Laboratory where he served as NASA'S Interferometer Architect for the LISA mission. He is a Fellow of the American Physical Society and his publications have been cited over 40,000 times. Daniel was a co-author on the paper announcing the observation of gravitational waves, an achievement that was awarded the 2017 Nobel Prize in Physics.