Management framework that enables the portable description of elastic applications by adopting open Cloud standards. Furthermore, within the scope of the PaaSPort project, UCY will have significant contribution on developing a persistence and execution layer with regard to the deployment and migration of business applications on top of different Cloud PaaS offerings.

**Internet Technologies:** LInC also participates in a Marie Curie Project, iSocial. In the context of the iSocial project, the Marie Curie Fellows are investigating infrastructures and applications for decentralised online social networks. The aim is to conduct research on decentralised architectures that allow users to be in control of their own digital footprint while participating in the social web. For the last 9 months, LInC is also working in the MANDOLA project, Monitoring and Detecting Online Hate Speech. The project addresses two major difficulties in dealing with on-line hate speech, lack of reliable data and poor awareness on how to deal with the issue.

**Funding:** Since 2002, LInC has acquired external funding of over 7MEuros, through participation to highly competitive, open calls for proposals issued by European Union (FP5/IST, FP6/IST, FP7/ICT, H2020 Marie Curie) and the Republic of Cyprus. Received grants and supported a variety of research, development, infrastructure, and technology-transfer activities in Grid Computing, World-Wide Web Technologies, Vehicular Computing, Social Networks, and Telematics Applications.

**HR:** Through its foundation, LInC has brought together more than 60 researchers, 8 Post-docs, 8 PhD students, 12 MSc Students, 5 undergraduate students, 30 researchers. Former members are now established and successful researchers, engineers and academics in leading organisations and institutions.

**Aims:** Surfing in the 2020 era, LInC aims at becoming a leading research institution in Cyprus and in Europe, bringing together the technological advances of high quality research and everyday business, productivity and living. Towards that goal LInC has already established collaborations with high rank research institutions, industry pioneers and entrepreneurship initiatives both in local and pan-European scale.
Resources

Researchers & Alumni

Currently, LInC research group is formed by 15 members, comprising Academics, post-Docs, PhD students, MSc students, Researchers and a Project & Lab manager.

Former LInC members have now successful careers in leading institutes and organisations in Europe and the Middle East.

Infrastructure & Services

- CPU / Cores 340
- Main Memory (GB) 700
- Storage Capacity(TB) 88
- Middleware running Grid Infrastructure (EMI-3)
- Cloud Infrastructure (OpenStack)

LInC operates the Cyprus Grid Certification Authority (CyGridCA) which is the top-level certification authority for Grids in Cyprus.

LInC represents Cyprus to the European Grid Initiative (EGI.eu) and manages the Cypriot node (CyGrid) of the EGI infrastructure.

Funded Projects

LInC has participated in 21 projects funded by the European Union under the different frameworks FP5 (CrossGrid, Anwire, CoreGrid), FP6 (EGEE, EGI, Healthcare, g-Eclipse, SafeWeb) FP7 (EGEEIII, ICCloud (Venus-C), EGI, CELAR, PaaSPort) EUMEDIS (EMISPHER), Marie Curie Actions (SEARCHiN, iSocial), INTERREG (Telerehabilitation)- and the Research Promotion Foundation of Cyprus (Web-CMINE, e-ScienceCY, e-Mammoth, V-Sense)

Collaboration

LInC has a wide network of collaborating institutions, both within and outside Cyprus. Cypriot partners include major telecom operators, service providers and IT companies, as well as public institutions such as the Nicosia General Hospital, the Cyprus University of Technology , and the University of Nicosia. Foreign partners include the University of Athens and ICS/FORTH (GR), KTH (SE), TUW (AU) and the University of Manchester (UK).

Selected Software Developed By LInC

- **Intensive Care Window (ICW)**
  Provides analysis procedures, visualisation, and query of Intensive Care Units patients’ vital signs and physiological parameters acquired from bedside medical devices

- **MinerSoft**
  Search Engine for software retrieval in Cloud & Grid infrastructures

- **Traffic Modeller**
  Graphical tool for modelling microscopic traffic through high level abstractions

- **MashQL Editor**
  Query Formulation Language allowing query, mash up, and pipeline RDF data intuitively. In the background MashQL queries are automatically translated into and executed as SPARQL queries

- **c-Eclipse**
  Open-source and portable Cloud Application Management Framework

- **jCatascopia**
  A fully Automated, Multi-Layer, Interoperable Cloud Monitoring System

**ACHIEVEMENTS 2002-2016**

- Trained more than 50 researchers (14 post-doctoral alumni, 26 post-graduate alumni)
- Attracted 7 ME in research funding
- More than 179 publications in top journals and conferences
- Developed and operated a state-of-the-art ICT research infrastructure
- 10 software products released as open source
- Participation to international collaborations with leading research institutes

“University of Cyprus is in the 55th place of the Times Higher Education 150 Under 50 Rankings 2016”