





# Universidad Nacional de La Plata

## *Is La Plata a Knowledge City?*

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130.000 Students

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16.000 Teachers

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6.000 Researchers.

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17 Schools (Faculties)

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165 Grade titulations.

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170 Postgraduate titulations

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More than 100 Research Centers

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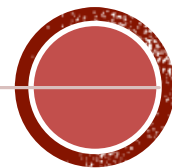
More than 1000 R&D projects.

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200 PhD per year

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<http://www.unlp.edu.ar>





The School of Computer Science began in 1999.

2800 active students.

5 Grade titulations.

10 Posgraduate titulations.

150 Graduates per year, 8-10 PhDs and 30 Master.



400 Teachers.

170 Researchers and PhD students.

3 important R&D Centers.

About 30 national & international projects.

Many Technology transfer agreements.



# R & D



**Instituto de Investigación en Informática LIDI  
III-LIDI**



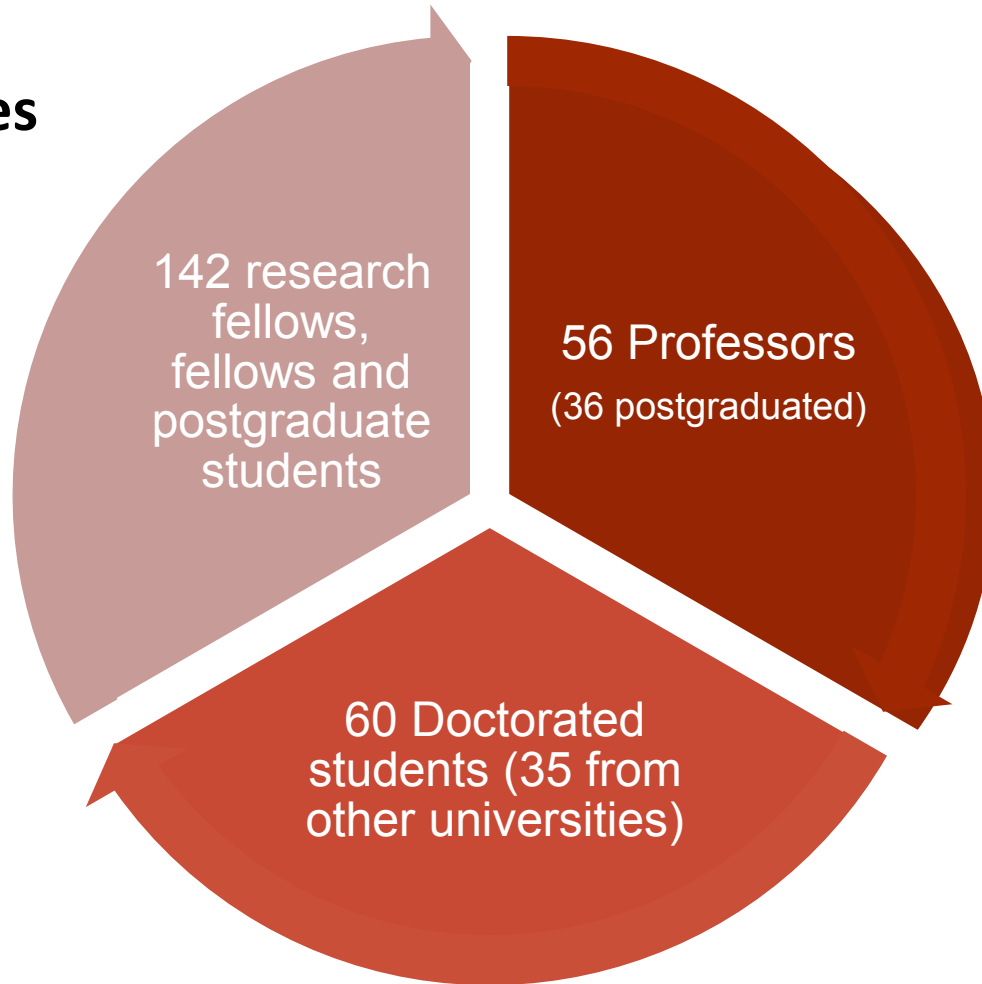
**Laboratorio de Investigación y Formación en  
Informática Avanzada. LIFIA**



**Laboratorio de Nuevas Tecnologías en Informática  
LINTI**



## Human Resources





## R & D

Software Engineering  
for distributed systems

Software Quality  
and Certification.

Real Time Systems  
& Robotics

Concurrent, Parallel  
and Distributed Processing

Computer Aided Education

## III-LIDI

Intelligent Systems &  
Big Data

E-Gov & E-Citizen



# R & D

Theory and Formal Methods

WEB Engineering

# LIFIA

Collaborative environments  
and Groupware

Mobile Systems

GIS





## R & D

Computer Networks. IOT

Security and Privacy

Usability. Accesibility

## LINTI

Free Software Applications

Internet Education

# TECHNOLOGY TRANSFER

10



- ✦ Technological training and R&D projects
- ✦ WEB based systems
- ✦ Networks
- ✦ Real Time Systems
- ✦ Industrial Application
- ✦ Distributed Systems.
- ✦ Cloud Computing- Big Data
- ✦ E-Learning
- ✦ E-Government
- ✦ Software certification.
- ✦ Data Mining. Intelligent Systems.
- ✦ HPC & Parallel applications.
- ✦ Mobile systems.



# POSTGRADUATE STUDIES

- ❖ PhD in Computer Science
- ❖ Master in Software Engineering
- ❖ Master in Data Networks
- ❖ Master in High Performance Computing
- ❖ Master in Computer Aided Education
  
- ❖ Also titles in Intelligent Systems applied to Big Data and Image Processing & Computer Vision.



# La Plata as Smart City: Challenges

## Infraestructure

- Communications.
- Electrical services.
- Security.
- Transport



## La Plata as Smart City: Ideas

- Planning.
- Define priorities for citizen services.
- Web & Mobile citizen services.
- Health and Security applications.
- Emergency applications.
- Traffic applications.



## La Plata as Smart City: Ideas

- Use local human resources.
- Relation with local TIC industry.
- Relation with provincial planning.
- Coordinate with other cities in Buenos Aires.
- Step by step...



Armando  
De Giusti  
is Full Professor  
UNLP and main  
Researcher in  
CONICET

