

# • CEIA •

## MISSION:

To introduce technology and methodologies of information and communication in society, to motivate the development of the country, through research, education, and outreach.

## VISION:

To be the center of national reference for research and transfer of information and communication technologies that support solutions to the problems Guatemala is facing.



*Excelencia que trasciende*

DEL VALLE  
GRUPO EDUCATIVO

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# • CEIA •

Center of Studies  
in Applied Informatics



INSTITUTO DE  
INVESTIGACIONES  
UNIVERSIDAD DEL VALLE DE GUATEMALA



Center of Studies in Applied Informatics (CEIA for its initials in Spanish) has conducted research since 1990.

It started out as the Center for Systems Analysis and Statistics (CASE), but with the advance and proliferation in computing, it underwent a reengineering and changed its name to the Center of Studies in Applied Informatics (CEIA)

## Objective and Research Areas

Its main objective is to promote the application of information and communication technologies (ICT) to develop self-sustaining solutions in order to increase the competitiveness of Guatemala and the region.

## CEIA - Principles:

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Research appropriate solutions to solve national problems, leveraging low-cost resources, including open source software and validate proposed solutions.

Use appropriate methodology for technology transfer and for the implementation of the proposed solutions.

Connect with national industries and with the Guatemalan government in an effort to integrate national development agendas.

## Research Areas

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- Computer Education (IE)
- Modeling and Simulation
- Data Sciences (Big Data)
- Interactive Technologies

## Outreach Lines

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- Development of technological solutions.
- Internet and next generation networks.

## Some CEIA projects:



Domain registry under the ccTLD .gt  
<http://www.gt>



Next Generation Internet  
<http://www.ragie.org.gt/>