



# Georgia Tech

<http://www.gatech.edu>

<http://europe.gatech.edu>



# Why did they choose Georgia Tech?

The story of 4 students

# Sara Zebian

- Sara joined MSECE program in 2001
- Use degree as ramp to work in the US
- Work for Dell, Juniper Networks
- Senior engineer at Google, San Jose



# Cristian Gomèz Peces

- Join the MSECE program in 2019
- Dream to work abroad, especially in USA
- Hire as graduate research assistant
- Data Scientist at Cognira in Atlanta





# Melisande Zonta

- Join the MSECE program in 2016, with the objective to work in America
- Join Intel Santa Clara in 2017, now Silicon Architecture Engineer
- Start a PhD at ETH recently



# Miguel Jimenez Aparicio

- Join the MSECE program in 2019
- Dream to work abroad, especially in USA
- Currently R&D engineer at Sandia National Laboratories in Albuquerque, NM



# Why did they choose Georgia Tech

- Make their dreams real, invest on their future
- Return on investment: 4 joined top companies - Intel, Sandia National Laboratories, Google, Cognira
- Majority of graduate students take positions at companies such as Cisco, Schlumberger, Total, EADS, Thales, Safran, Airbus, GE, Areva, Amadeus, ...
- Airbus highly values this dual degree
- Why not you?

# Opportunities of the program

- Land of opportunities, build your program to make your dream real, have fun, how:
  - Strengthen your engineering background,
  - Open you to other domains of engineering,
  - Become an entrepreneur
- Study in a multicultural environment on any campuses
- On GT Europe campus, the main student population





# Young graduate figures

- 20% find first job in USA
- 45% in R&D - Energy/Material/Aerospace/Services -
- 15% continue with a PhD
- Average salary for graduate student is ~90 k\$ in USA, visit [payscale.com](https://www.payscale.com)

# Research

- Georgia Tech invest 1.4 B\$ per year funding for world class research programs, more than MIT
- Access to world class technology platforms for faculty and students enrolled in MS thesis or PhD on main or GT Europe campuses



# Innovation

**Georgia Tech incubator ranked in top 10 in US**

## Education

- Startup Lab, ECE 6001, CS 8803
- Valuation > 1.4 B\$ of Student Startups, 300+ UG startups since 2014

## Enterprise Innovation Institute (EI2)

Programs to help startup companies, industry, public sector and students

## Commercialization

- ATDC research for faculty, PhD students



# Added values of Georgia Tech

Georgia Tech develops leaders who advance technology and improve the human condition.

- *Example #1: Tech.Co* ranks Georgia Tech as the **#1** university that “produces the best startup talent.”
- *Example #2:* Three continent tech entrepreneurship & entrepreneurship courses

Gain prestige in the International Arena

- *Example:* #4 grad programs in U.S. programs (AE, ECE, ME), #6 grad CS program all at a public university price\*
- Shanghai ranking 2022: #12 in AE, #4 in EE, #7 in Nanotechnology, ...

Build a global network with other Tech Alumni

- *Example:* Alumni focus events in Europe, U.S.
- Join a 140,000+ alumni network around the world

*U.S. News & World Report, 2022\* rankings*

# Dual degree program

- Spend one semester on each campus of Georgia Tech - Atlanta and Metz -
- Dual degree program: soft transition to the US education system
- Course transfer —> reduces cost
- Opt in MS thesis option to increase time on main campus
- Initial investment ~ 35 k\$, that be reduced through assistantships but need to be proactive on financial aid
- Program of excellence at low cost, typ. 50 to 60 k\$

# Specializations open for application

- **Master of Science degree** in :



- Aerospace Engineering (33 SCH)
  - Computer Science (30 SCH)
  - Electrical and Computer Engineering (30 SCH)
  - Mechanical Engineering (30 SCH)
- 
- **Aerospace Engineering** - focus on System of Systems and Complex system Integration, Sustainable Transportation & Energy Systems, ...
  - **Computer Science** - focus on Computational Perception & Robotics, Machine Learning, ...
  - **Electrical & Computer Engineering** - focus in DSP, Telecom, Systems & Controls, Nanophotonics, ...
  - **Mechanical Engineering** - focus in Acoustics, Mechanics of Materials, Automation & Robotics, ...



# Presence of Prof Larry Heck

- CS & ECE professor joining GT in 2021
- Digital Signal Processing and Artificial Intelligence, develop a course on Conversational AI with Deep Learning to be taught next Fall
- On board several companies as chief scientist like Google, Samsung or Microsoft or Yahoo
- Co-inventor of Cortana, digital personal productivity assistant



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  - **Mechanical Engineering** - focus in Acoustics, Mechanics of Materials, Automation & Robotics, ...

# Financial aid

- **Assistantships:**

- **On Atlanta campus**

- Research Assistantships:

- For PhD students, offer made by faculty
      - For MS thesis, pending faculty decision

- Teaching Assistantships available on a competitive basis in **Aerospace Engineering, Electrical & Computer Engineering**: Tuition waiver with ~\$2,000 monthly stipend

- **On Europe Campus:**

- Teaching assistantship available, tuition waiver or 66% tuition waiver
    - Research assistantship available: MS thesis and PhD at IRL

- **Internships** available through alumni network

- **Fellowships** (Rotary, regional aid, etc....)

- GTL Challenge Fellowship for semester in ATL: \$1,125

- **Bank Loan**, Student loan of 1.49% up to 75,000 €, up to 9 years loan repayment



# GT Europe campus

- Small international student community (~250 students): (grand mix, trips, ...) - future Tech network
- Easy access to faculty, information
- Weekly seminar with corporate partners (internships/jobs)



# Application - decision schedule

## Fall 2022

- Pre-selection by UPM
- Take TOEFL or IELTS or TOEIC and GRE for MSCS
- Help and support provided on your application by GT Europe

## Spring 2023

- Online application completed by **Feb 1<sup>st</sup>** including transcripts, letters of Recommendation, official test scores reported by ETS to GT
- Admission decision: end Feb – Mar

## Fall 2023 – Start of the program

# Georgia Tech Admission Requirements

- **GPA** min 3.5 /4.0 (GPA = General Point Average)
- **Strong letters of recommendation**
- **English proficiency tests:**
  - TOEFL iBT - <http://www.ets.org/toefl>: **min score of 19 required for each section:** > 90/120 (AE, ECE), > 100/120 (CS), > 94/120 (ME)
  - or IELTS: min score 7 (AE, ECE, ME) and 7.5 (CS) **with a min score of 6.5 for Reading, Listening and Speaking, min score of 5.5 for Writing**
  - or TOEIC > 850
- **GRE (only required for MSCS)**, <http://www.ets.org/gre>: **min scores**
  - Verbal > 153/170
  - Quantitative > 155/170
  - Analytical Writing > 3/6



# Key dates of your application

Items	Dates
TOEFL or IELTS or TOEIC and GRE if applicable	Dec 1, 2022
GT application submitted on GT admission website	Feb 1, 2023
Admission decision	Feb - Mar
Start of program	Aug 20, 2023



# Contacts

Visit our website:  
[europe.gatech.edu](http://europe.gatech.edu)



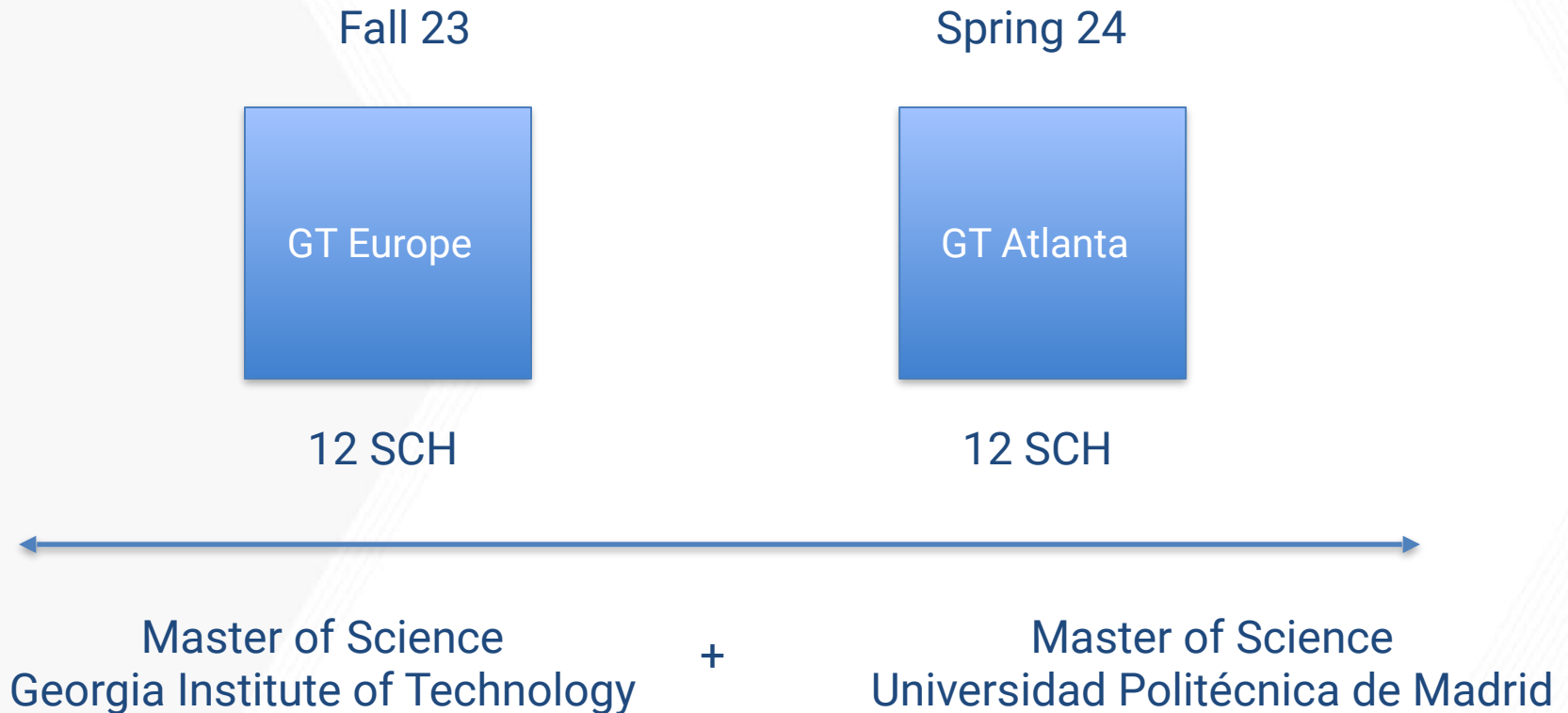
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# Semester tracking non - thesis option



\* 2 courses (6 SCH) transferred to GT, an extension by one semester is expected for the MSAE

# Semester tracking - thesis option



\* 2 courses (6 SCH) transferred to GT, except for the MSCS