@ RIT
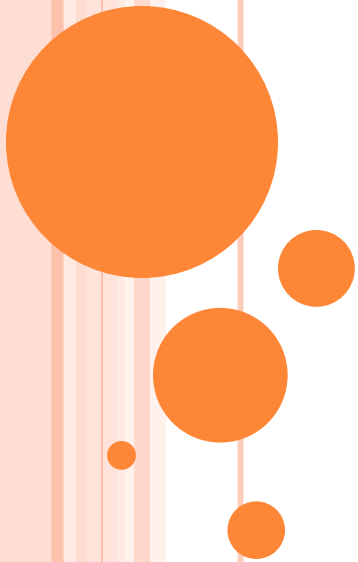
Hans-Peter Bischof
CS MS Program director

Agenda

- The CS MS Program
- Curriculum
- Scholarship
- Bridge
- Co-op
- Employment
- Jobs at RIT

ABOUT THE CS MS PROGRAM@RIT AND GRADUATES

- Largest MS program at RIT
- Typical incoming class size/year: 150
- # Applications: 1133 (as of August/10/2020)
- Graduation rate: after bridge >= 98%

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CS MS Curriculum

- 30 semester credit hours
- Required
  - Algorithms   (3 ch)
  - At least three courses in one cluster
  - Electives
  - Capstone
    - MS Computer Science Thesis   (6 ch)   or
    - MS Computer Science Project/Colloquium   (3 ch)

STRUCTURE

Bridge

Algorithm

| 3 Courses | 3 Courses | … | 3 Courses | 3 Courses |

4 Electives

5 Electives

Thesis

Project

MS

CLUSTER AND ADVANCED CERTIFICATES

- Computer Graphics and Visualization
- Data Management
- Distributed Systems
- Artificial Intelligence
- Languages and Tools
- Security
- Theory

- Advanced Certificates:
  - Advanced Certificate in Big Data Analytics
  - Advanced Certificate in Artificial Intelligence in CS
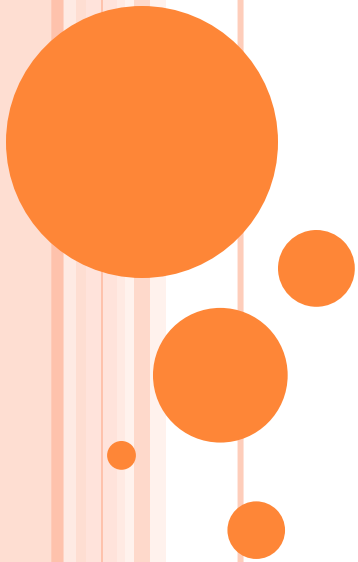
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Scholarship

- Based on scholarly activity

- Awarded after acceptance decision

- Scholarship may be increased
  - A guide for scholarship range is:
    - $3.0 < x \leq 3.3$: 20%,
    - $3.3 < x \leq 3.7$: 30%,
    - $3.7 < x \leq 4.0$: 40%.

- I do not decrease scholarship unless academic honesty violation

@ RIT

BRIDGE PROGRAM

```
public class X_3 extends Thread     {
    static Object o = new Object();
    static int counter = 0;
    int id;
    public X_3(int id)   {
        this.id = id;
        o        = new Object();
    }
    public void run () {
        if ( id == 0 )   {
                new X_3(1).start();
            try { slee
                new X_3(2).start();
                return;
        }
        synchronized ( o ) {
                System.err.println(id + " --->");
                try {
                        if ( counter == 0 )     {
                                counter = 1;
                                o.wait();
                        } else
                                o.notifyAll();
                }
                catch (  InterruptedException e ) { }
                System.err.println(id + " <---");
            }
    }
    public static void main (String args []) {
        new X_3(0).start();
    }
}
```

M

1   2

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Co-op

- Most of my students go on a co-op
- A job fair takes place 2 times a year
- Most go to
  - West coast
  - East coast: NYC, Boston
- Most pay part of their education earned on a co-op
- Hourly salary average: $29.17

Jobs at RIT

- 10 TA's
  - 5 hired in fall
  - 5 here in spring
  - You have to be here in order to apply
- Regular student workers: 12,227

Employment

- Entry salary: $100k/year
- Employment:
  - East coast: Boston/NYC
  - West Coast
  - Everywhere in the US, Canada, Germany …

Questions?

THANKS