

**CAS 741, CES 741 (Development of Scientific  
Computing Software)**

**Fall 2020**

**11 Verification and Validation  
Presentations**

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# VnV Presentations

- Start recording
- Administrative details
- Presentations

# Administrative Details

- Colleague created SRS issues
  - ▶ Feedback will be given for “teachable moments” and “mistakes”
  - ▶ Self-assign the issues created by your colleagues
  - ▶ Include the relevant commit hash when closing the issue
  - ▶ You should make the revisions sooner than later

# Administrative Details: Report Deadlines

<b>System VnV Plan</b>	Oct 29
MG + MIS (Traditional)	Nov 19
Drasil Code and Report (Drasil)	Nov 19
Final Documentation	Dec 9

- The written deliverables will be graded based on the repo contents as of 11:59 pm of the due date
- If you need an extension for a written deliverable, please ask
- You should inform your primary and secondary reviewers of the extension
- Two days after each major deliverable, your GitHub issues will be due

# Admin Details: Presentation Schedule

- Syst V&V Plan Present (15 min)
  - ▶ **Thurs, Oct 22: Ting-Yu, Mohamed, Naveen, Liz, Salah**
- Proof of Concept Demonstrations (15 min)
  - ▶ **Mon, Oct 26: Mohamed, Xuanming, Parsa, Gaby**
  - ▶ Mon, Nov 2: Sid, Shayan, Leila, Xingzhi, Liz
  - ▶ Thurs, Nov 12: Salah, John
- MG Present (10 minutes)
  - ▶ Thurs, Nov 12: John, Tiago, Leila, Xuanming, Andrea
- MIS Present
  - ▶ Mon, Nov 16: Shayan, Parsa, Gaby, Sid, Xingzhi
- Drasil Project Present (20 min each)
  - ▶ Thurs, Nov 26: Andrea, Naveen, Ting-Yu

# Presentation Schedule Continued

- Test or Impl. Present (15 min each)
  - ▶ Mon, Nov 30: John, Salah, Liz, Xingzhi, Leila
  - ▶ Thurs, Dec 3: Shayan, Naveen, Sid, Gaby, Seyed
  - ▶ Mon, Dec 7: Ting-Yu, Xuanming, Mohamed, Andrea, Tiago
- 4 presentations each
- If you will miss a presentation, please trade with someone else

# Today's Presenters

- Ting-Yu
- Mohamed
- Naveen
- Liz
- Salah
- Informal presentations (15 minutes), 1 or 2 topics from
  - ▶ **Specific** functional system test cases
  - ▶ **Specific** nonfunctional system test cases, such as
    - ▶ Performance profile
    - ▶ Usability testing
  - ▶ SRS verification plan
  - ▶ Automated testing and verification tools
    - ▶ Profiling tools
    - ▶ Continuous integration
    - ▶ Code coverage
    - ▶ Linters