# CSCI 325
# Introduction to Parallel Systems and GPU Programming

## Lecture 4
## Fundamentals of Accelerated Computing with CUDA C/C++

Dr. Talgat Turanbekuly

# Fundamentals of Accelerated Computing with CUDA C/C++

- Short info to get ready
- Submit any platform issues before the event: dli-help@nvidia.com
- Submit ONLY urgent issues during an event: dli-support@nvidia.com
- Once you have completed the workshop, you will have access to the course as long as it exists
- on the platform
- The event code expires after 48 hours for new enrollments. If you want to revisit the material, just log into the DLI account, and you will see the material in the course tab
- Expect GPU tasks to take 5-8 minutes to come up. If it is taking far longer, please contact dli-support

# Event Codes for the workshop

https://learn.nvidia.com/dli-event
NU_CUDA_AMBASSADOR_FE25

DLITEACH0225_T2PK_24_PYLA_99
promo code to enroll into any self-paced courses in learn.nvidia.com

# additionally

- verify test CUDA code on lab/own PC
  - in terminal run: `nvcc -version`
  - download the sample
  - change terminal directory into downloaded sample
  - in terminal run:
    - `make all`
    - `./main`
- nvidia smi command
- NVIDIA A10
- Programming Massively Parallel Processors: A Hands-on Approach, 3rd Edition, Kirk, DB ; Hwu, WMW, 3rd Edition
- Sanders, Jason, Edward Kandrot, and Jack Dongarra. *CUDA by Example*. Upper Saddle River, N.J: Addison-Wesley, 2011. Print.;