

**Photonics Symposium 2021**  
Rural Iowa Photonics Education (RIPE), NSF DUE #1800935  
Indian Hills Community College (IHCC)

**Monday, August 2<sup>nd</sup> (all times subject to change):**

- 0800: Meet & Greet at IHCC's Advanced Technology Center (ATC), Room 106  
Enter IHCC's ATC from the West parking lot.  
There will be four doors at the top of the stairs.  
Go to the Reception Desk to inquire about directions  
Early morning beverages/snacks  
Getting acquainted  
Name  
What you do and Why do you do it?  
Questions and Answers  
0900: IHCC/RIPE (Developing Photonics Education in Iowa's Secondary Schools) presentation  
0930: Lasers & Optics (Photonics Fundamentals) presentation  
Material:  
Booklet 1: *Photonics Program Planning Guide for High Schools*  
Booklet 2: *Photonics Lab Manual for High Schools*  
Booklet 3: Intro to Lasers & Optics Reference Guide for Instructors (file/online at <https://laser-tec.org/>)  
Textbook: *Fundamentals of Light and Lasers*  
Photonics Kits (LASER-TEC)  
1130: Lunch: Campus Cafeteria/Café  
1230: Finish presentation  
1500: Lab Write-up procedure with format  
1515: Several Hands-On Labs (TBD) from Lab Instruction Manual  
Please observe how components are package and placed  
First LAB 1-2A - Familiarization with Optical Equipment and Components  
Second LAB 1-1B – Determining the Wave Length of Red Light  
Various from the Photonics Kit Lab Instruction Booklet  
1600: Done for the day  
May leave labs set-up for tomorrow

**Tuesday, August 3<sup>rd</sup> (all times subject to change):**

- 0800: Meet & Greet with treats & Q&A.  
0900: Several Hands-On Labs (TBD) from Lab Instruction Manual  
Please observe how components are package and placed  
Various from the Photonics Kit Lab Instruction Booklet  
1130: Lunch: Campus Cafeteria/Café  
1230: Several Hands-On Labs (TBD) from Lab Instruction Manual  
Please observe how components are package and placed  
Re-package and replace components into kit.  
1500: Surveys and Admin Stuff  
1600: Done for the day.