

# e-HUGS 2021

## The 36th Annual Hampton University Graduate Studies Program June 1-18, 2021 - Jefferson Lab, Newport News, Virginia

DRAFT program - May 19, 2021

All activities will be held remotely this year. The main lectures will be from 10 am (EDT) to 4 pm (EDT), with a 50 min class + 15 min informal discussion format. HUGS socials, Recitations and topical seminars might be (re)scheduled to the 8:30-10:00 window for everyone to have a chance to join.

Tuesday, June 1		
09:00-09:50	Welcome to HUGS 2021	A. Accardi & team
	<b>Break</b>	
10:00-11:05	Computing Trends in Nuclear Physics - The offline world	Amber Boehnlein (JLab)
	<b>Break and photo screenshot</b>	
11:25-12:30	Introduction to Jefferson Lab	Thia Keppel (JLab)
	<b>Break</b>	
01:30-02:35	Introduction to QCD (1)	Jianwei Qiu (JLab)
	<b>Break</b>	
02:55-04:00	Introduction to QCD (2)	Jianwei Qiu (JLab)

Wednesday, June 2		
10:00-11:05	Computing Trends in Nuclear Physics - Distributed Computing	Malachi Schram (JLab)
	<b>Break</b>	
11:25-12:30	Deeply-Virtual Compton Scattering and Spatial Imaging (1)	Carlos Munoz Camacho (Orsay)
	<b>Break</b>	
01:30-02:35	Introduction to QCD (3)	Jianwei Qiu (JLab)
	<b>Break</b>	
02:55-04:00	Introduction to QCD (4)	Jianwei Qiu (JLab)
04:00-06:30	<b>HUGS Social (or morning)</b>	

Thursday, June 3		
08:45-09:45	Fostering a Positive Workplace	Lisa Surles-Law (JLab)
	<b>Break</b>	
10:00-11:05	Deeply-Virtual Compton Scattering and Spatial Imaging (2)	Carlos Munoz Camacho (Orsay)
	<b>Break</b>	
11:25-12:30	Deeply-Virtual Compton Scattering and Spatial Imaging (3)	Carlos Munoz Camacho (Orsay)
	<b>Break</b>	
01:30-02:35	Computing Trends in Nuclear Physics - The online world (DAQ, Streaming, calibration and triggering)	Graham Heyes (JLab)
	<b>Break</b>	
02:55-04:00	Computing Trends in Nuclear Physics - Data science (1)	Malachi Schram (JLab)
04:00-04:30	<b>Break</b>	
04:30-06:30	<b>(optional) Recitation (or morning)</b>	

**Friday, June 4**

10:00-11:05	Deeply-Virtual Compton Scattering and Spatial Imaging (4) <b>Break</b>	Carlos Munoz Camacho (Orsay)
11:25-12:30	Deeply-Virtual Compton Scattering and Spatial Imaging (5) <b>Break</b>	Carlos Munoz Camacho (Orsay)
01:30-02:35	Computing Trends in Nuclear Physics - Data science (2) <b>Break</b>	Malachi Schram (JLab)
02:55-04:00	Computing Trends in Nuclear Physics - Data science (3) <b>Break</b>	Malachi Schram (JLab)
04:15-05:30	<i>Physics careers: résumés and corporate applications</i>	Midhat Farooq (APS)

**Saturday, June 5**

12:00-13:00	<i>Tour of Hall A</i>	Brad Sawatzky
13:00-14:00	<i>Tour of Hall B</i>	Florian Hauenstein

**Monday, June 7**

09:00-10:00	<i>(optional) JLab theory seminar</i>	Tim Harris (U. Edinburgh)
10:00-11:05	Transverse Momentum Imaging (1) <b>Break</b>	Andrea Signori (JLab)
11:25-12:30	Transverse Momentum Imaging (2) <b>Break</b>	Andrea Signori (JLab)
01:30-02:35	Physics with Polarized Light Ions (1) <b>Break</b>	Elena Long (U. New Hampshire)
02:55-04:00	Physics with Polarized Light Ions (2) <b>Break</b>	Elena Long (U. New Hampshire)
04:30-06:30	<i>(optional) Recitation</i>	

**Tuesday, June 8**

08:30-09:45	<i>Physics careers: CVs and applications in academia</i> <b>Break</b>	Ron Gilman (New Jersey)
10:00-11:05	Gluons in QCD (1) <b>Break</b>	Arlene Aguilar (U. Campinas)
11:25-12:30	Gluons in QCD (2) <b>Break</b>	Arlene Aguilar (U. Campinas)
01:30-02:35	Experimental Meson Spectroscopy (1) <b>Break</b>	Ryan Mitchell (Indiana U.)
02:35-02:55	<b>Break</b>	
02:55-04:00	Experimental Meson Spectroscopy (2) <b>Break</b>	Ryan Mitchell (Indiana U.)
04:00-04:30	<b>Break</b>	
04:30-05:30	<i>TOPICAL SEMINAR: The sea of quarks and antiquarks in nucleons and nuclei</i>	Don Geesaman (ANL)

**Wednesday, June 9**08:30-09:45 *(optional) Recitation (or morning)***Break**

10:00-11:05 Transverse Momentum Imaging (3)

Andrea Signori (JLab)

**Break**

11:25-12:30 Transverse Momentum Imaging (4)

Andrea Signori (JLab)

**Break**

01:30-02:35 Experimental Meson Spectroscopy (3)

Ryan Mitchell (Indiana U.)

**Break**

02:55-04:00 Experimental Meson Spectroscopy (4)

Ryan Mitchell (Indiana U.)

04:00-06:30 **HUGS Social (or morning)****Thursday, June 10**

10:00-11:05 Gluons in QCD (3)

Arlene Aguilar (U. Campinas)

**Break**

11:25-12:30 Gluons in QCD (4)

Arlene Aguilar (U. Campinas)

**Break**

01:30-02:35 Physics with Polarized Light Ions (3)

Elena Long (U. New Hampshire)

**Break**

02:55-04:00 Experimental Meson Spectroscopy (5)

Ryan Mitchell (Indiana U.)

**Break**04:30-06:30 *(optional) Recitation (or morning)***Friday, June 11**

10:00-11:05 Transverse Momentum Imaging (5)

Andrea Signori (JLab)

**Break**

11:25-12:30 Gluons in QCD (5)

Arlene Aguilar (U. Campinas)

**Break**

01:30-02:35 Physics with Polarized Light Ions (4)

Elena Long (U. New Hampshire)

**Break**

02:55-04:00 Physics with Polarized Light Ions (5)

Elena Long (U. New Hampshire)

**Break**04:30-06:30 *(optional) Recitation (or morning)***Saturday, June 12**12:00-13:00 *Tour of Hall C*

William Henry

13:00-14:00 *Tour of Hall D*

Mark Dalton

**Monday, June 14**

09:00-10:00	<i>(optional) JLab theory seminar</i>	<i>Hervé Dutrieux (CEA Saclay)</i>
10:00-11:00	<i>Physics careers: talks</i>	
	<b>Break</b>	
11:30-12:30	<i>Physics careers: panel discussion</i>	
	<b>Break</b>	
01:30-02:35	Lattice QCD and the Hadron Spectrum (1)	Jozef Dudek (William&Mary/JLab)
	<b>Break</b>	
02:55-04:00	Lattice QCD and the Hadron Spectrum (2)	Jozef Dudek (William&Mary/JLab)
	<b>Break</b>	
04:30-06:30	<i>(optional) Recitation (or morning)</i>	

**Tuesday, June 15**

10:00-11:05	Lattice QCD and the Hadron Spectrum (3)	Jozef Dudek (William&Mary/JLab)
	<b>Break</b>	
11:25-12:30	Lattice QCD and the Hadron Spectrum (4)	Jozef Dudek (William&Mary/JLab)
	<b>Break</b>	
01:30-02:35	Lattice QCD and the Hadron Spectrum (5)	Jozef Dudek (William&Mary/JLab)
	<b>Break</b>	
03:00-06:30	<i>(optional) Job Interviews</i>	

**Wednesday, June 16**

10:00-11:05	TOPICAL SEMINAR: Lattice QCD and PDFs (TBC)	Colin Egerer (TBC)
	<b>Break</b>	
11:25-12:30	TOPICAL SEMINAR: Fitting PDFs	Wally Melnitchouk (JLab)
	<b>Break</b>	
01:30-04:00	<i>Poster session</i>	
04:00-06:30	<b>HUGS Social (or morning)</b>	

**Thursday, June 17**

09:00-12:00	<b>Student Seminars</b>
	<b>Break</b>
01:00-04:00	<b>Student Seminars</b>

**Friday, June 18**

09:00-12:00	<b>Student Seminars</b>
	<b>Break</b>
01:00-04:00	<b>Student Seminars</b>
	<b>Break</b>
04:30-06:00	<b>Seminar/Poster Prize Ceremony and Farewell</b>