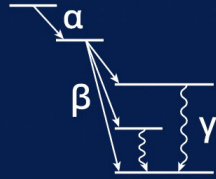


**L**OW  
**R**ADIOACTIVITY  
**T**ECHNIQUES



# 2022

WORKSHOP VIII



## LRT2022 Closeout

### Co-Hosted by SD Mines & SURF

# LRT2022 – Topics

LOW RADIOACTIVITY TECHNIQUES

2022 WORKSHOP VIII

14–17 Jun 2022  
South Dakota Mines  
US/Mountain timezone

Enter your search term

Overview

Topics

Timetable

Call for Abstracts

My Conference

My Contributions

Registration

Payment

Participant List

Travel Information

Travel Awards

COVID-19-related

Topics

Congrats SUPL!  
(And Yemilab this summer!)

- Underground laboratories
- Low-background methods and counting techniques
- Cosmogenic background: experimental data and simulations
- Mitigation of radon background
- Mitigation of surface contamination background
- Crystal scintillators, radio-purity, crystal growth, and application to rare-event searches
- Liquid scintillator and water Cherenkov: radio-purity, purification methods
- Radio-purity assay and databases
- Detectors with liquid noble gases for rare-event searches
- Bolometers for rare-event searches
- Semiconductor detector backgrounds, production
- Low-background material production (including advanced machining and 3D printing)
- Particle background impacts on quantum information systems and quantum computing

Also: Stanley Howard remembrance

# LRT – Recent Years

	<b>2022</b> Rapid City, USA	<b>2019</b> Jaca, Spain	<b>2017</b> Seoul, South Korea	<b>2015</b> Seattle, USA	<b>2013</b> Assergi, Italy	...
<b>Participants</b>	88	96	68	118	83	
<b>Presentations</b>	74	75	65	72	65	
<i>Talks</i>	53 (1020 min)	66 (1390 min)	53 (1060 min)	51 (1020 min)	40 (840 min)	
<i>Posters</i>	21	9	12	21	25	
<b>Excursions</b>	SURF (44); Rushmore/ Badlands/ Custer (~55)	LSC; Train Station, Castle	Y2L	N/A	LNGS	



# LRT2022 – SURF Tours





# LRT2022 – SURF Tours





# LRT2022 – Workshop Photo





9/page/18-local-orga

## Local Organizing Committee

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Richard Schnee (South Dakota Mines), Local Organizing Committee Chair

Jaret Heise (SURF), Science Advisory Committee Chair

Cabot-Ann Christofferson (South Dakota Mines)

Markus Horn (SURF)

Brianna Mount (Black Hills State University)

Juergen Reichenbacher (South Dakota Mines)

Doug Tiedt (SURF)

Jingbo Wang (South Dakota Mines)

# LRT2022 Help – SD Mines + SURF

## **SD Mines**

Acharya, Khimananda  
Dowding, Michael  
Finnesand, Dane  
Genovesi, Jack  
Haiston, James  
Haque, Nurul  
Johnson, Walker  
Kadlecek, Thomas  
Krosschell, Connie  
Lama, Bhubnesh  
Leon Siverio, Diana  
Lindsey, Stephanie  
Rodriguez, Jairo  
Schleich, Sam  
Sharma Timalisina, Madan  
White, Paul  
Wykoff, Kevin

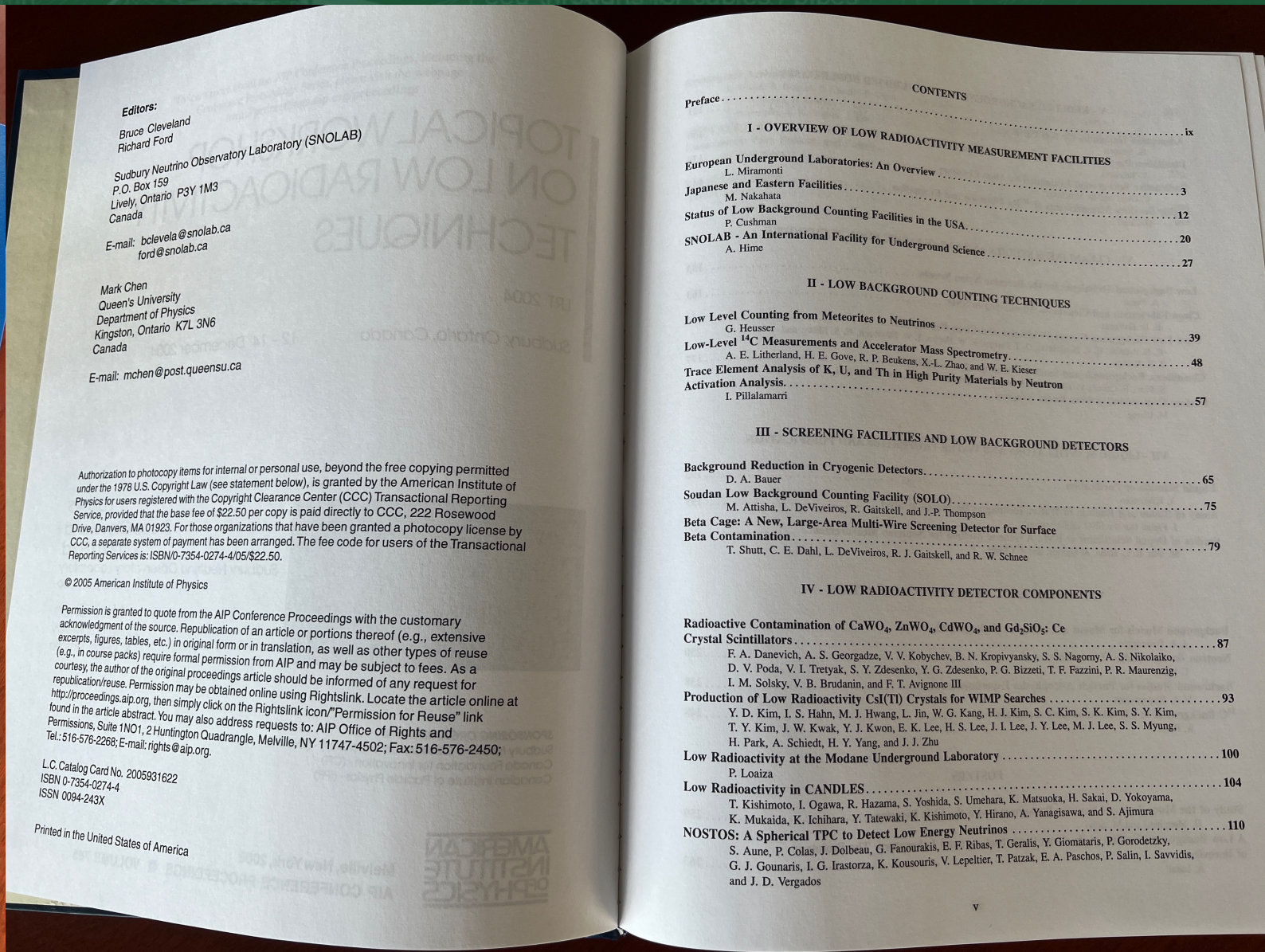
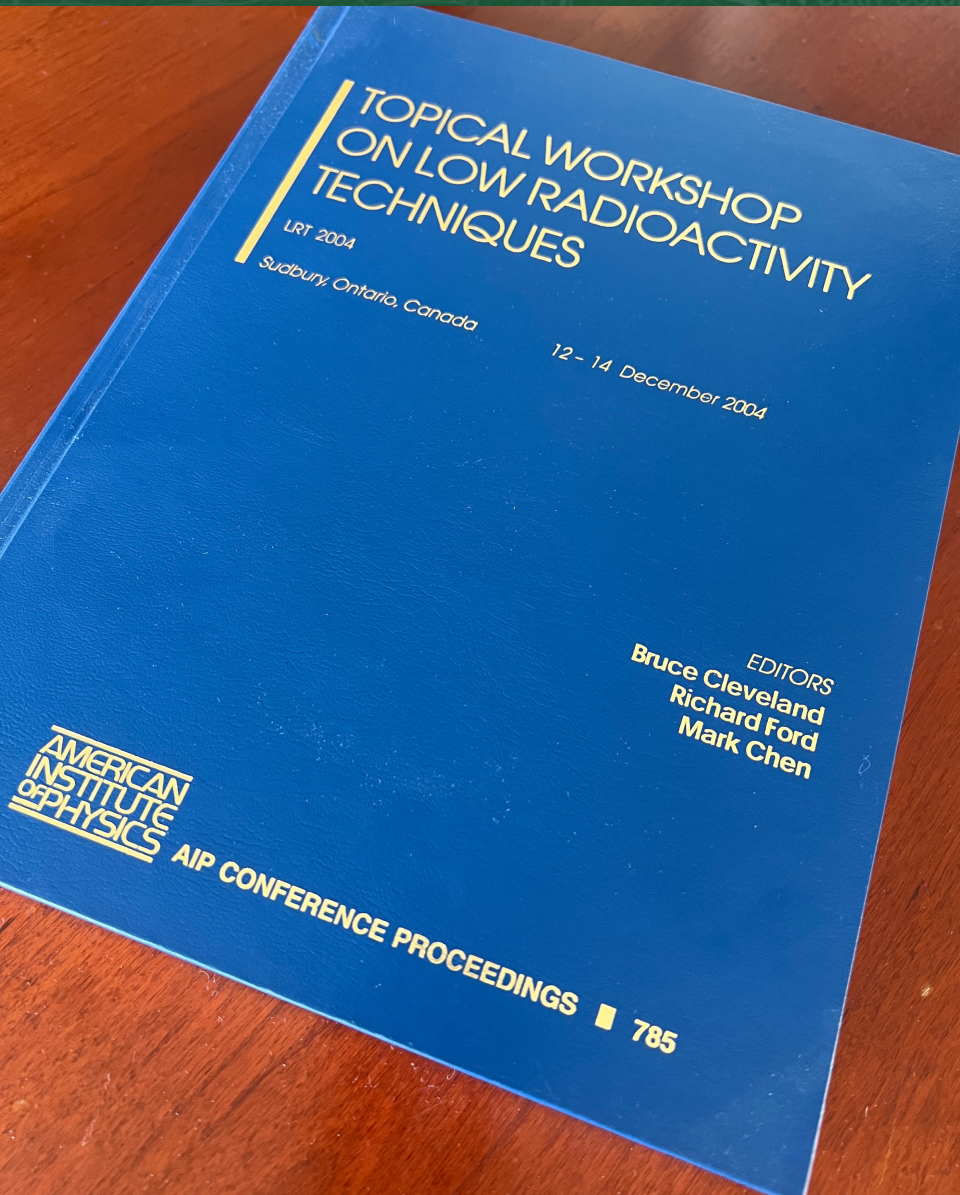
## **SURF**

Berry, Amanda  
Hanhardt, Mark  
Hansen, Ashley  
Hockhalter, Jay  
Johnston, Melissa  
Knight, Chad  
Knight, Mandy  
Olsen, Calvin  
Varland, Robyn





# LRT2022 Next Steps – Proceedings



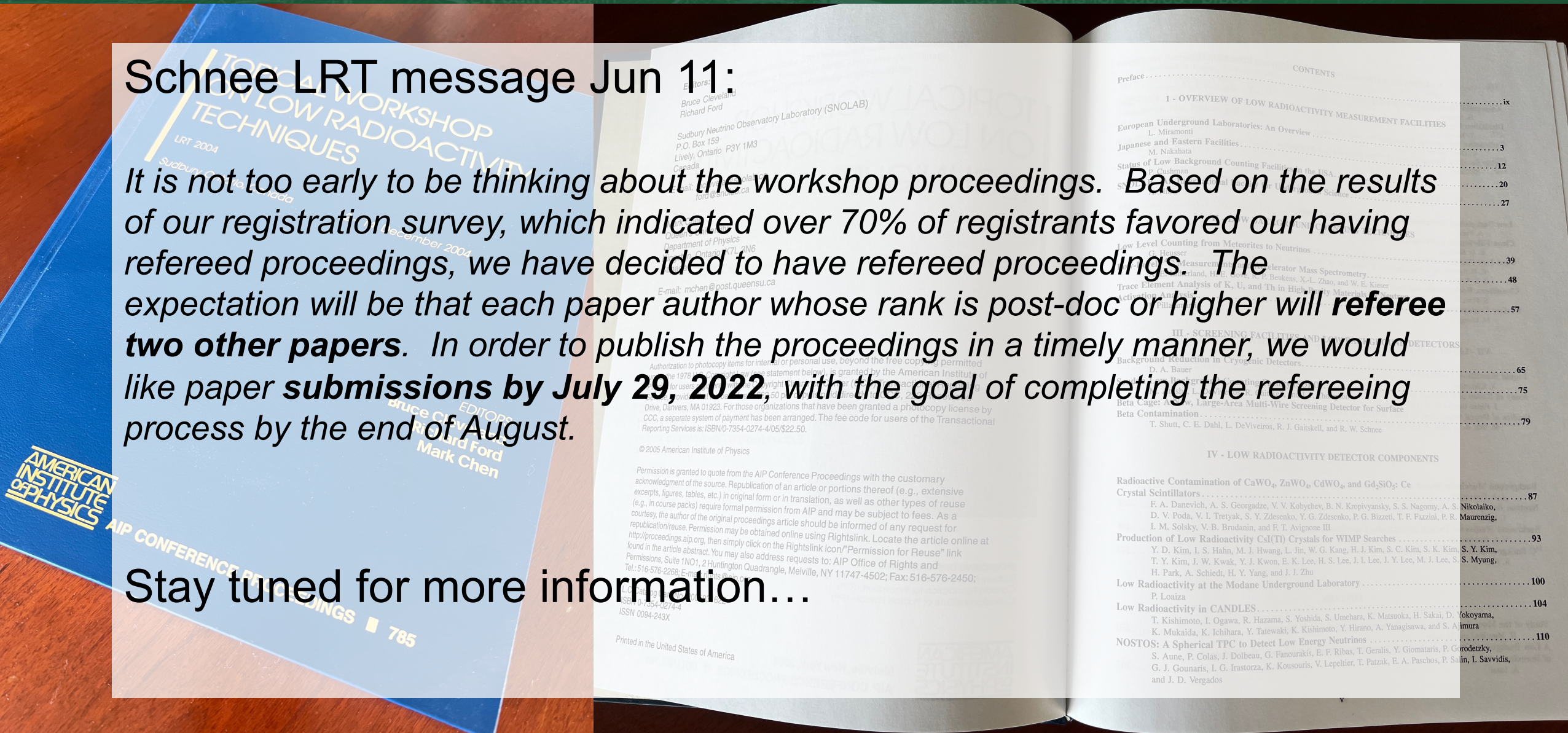


# LRT2022 Next Steps – Proceedings

Schnee LRT message Jun 11:

*It is not too early to be thinking about the workshop proceedings. Based on the results of our registration survey, which indicated over 70% of registrants favored our having refereed proceedings, we have decided to have refereed proceedings. The expectation will be that each paper author whose rank is post-doc or higher will referee two other papers. In order to publish the proceedings in a timely manner, we would like paper submissions by July 29, 2022, with the goal of completing the refereeing process by the end of August.*

Stay tuned for more information...





# LRT2022 – SD Mines Physics Lab Tour (~Now)

