



Canadian Biomaterials Society
Société Canadienne des Biomatériaux

QUEBEC CITY STUDENT CHAPTER
CHAPITRE ÉTUDIANT DE QUÉBEC

est heureux de vous inviter à l'événement suivant:

«Comment déconvoluer des spectres obtenus par spectrométrie de photoélectrons des rayons-X: une introduction au logiciel CASA»

Masoud Shekargoftar, PhD.

Laboratoire de Biomatériaux et
Bioingénierie (LBB)
Stagiaire Postdoctoral

Université Laval

Mercredi, 24 novembre 2021
16h00 – 17h20 EDT

VCH 1039B – Université Laval ¹



¹En présentiel: La capacité maximale est **26 personnes** (premier arrivé, premier servi). Le passeport vaccinal est obligatoire et le port du masque est exigé en tout temps, ainsi que de laisser un siège libre entre deux places.

Participer à la réunion Zoom

<https://zoom.us/j/91574459863?pwd=RDFoRHFSa21YVlIHUVRDVXAxM2haZz09>

ID de réunion: 915 7445 9863 Code secret : 474095





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QUEBEC CITY STUDENT CHAPTER
CHAPITRE ÉTUDIANT DE QUÉBEC

Is pleased to invite you to the following event:

«How to deconvolute X-ray photoelectron spectroscopy spectra: an introduction to CASA software»

Masoud Shekargoftar, PhD.

Laboratory of Biomaterials and
Bioengineering (LBB)
Postdoctoral fellow

Laval University



Wednesday 24 November 2021

16h00 – 17h20 EDT

VCH 1039B –Laval University ¹

¹Presential: Maximum capacity: **26 persons** (first come, first served). Proof of vaccination required, wearing mask all time, seating policy: at least one of distance.

Online: <https://zoom.us/j/91574459863?pwd=RDFoRHFSa21YVlIHUVRDVXAxM2haZz09>

Meeting ID: 915 7445 9863; Password: 474095



Masoud Shekargoftar, PhD.

Laboratory of Biomaterials and Bioengineering (LBB)

Summary:

In this event, we introduce how to analyze XPS data following by an introduction to CasaXPS software. How to determine the atomic concentration, deconvolution of the high-resolution peaks and basics of the parameters will be presented. Examples of data processing will be given throughout the event.

The event is useful for students and researcher from materials science, physics, chemistry, and all those who are interested in the processing of XPS data.

Biography:

Masoud Shekargoftar is a postdoctoral fellow at Laval University, Canada. Former visitor/researcher at Technical University of Denmark (DTU), Denmark and Friedrich–Alexander University Erlangen–Nürnberg, Germany. Masoud received his Ph.D. degree in plasma physics from Masaryk University, Czech Republic. His research interests broadly lie in surface & interface science, plasma processing, Sustainable energies (Solar cells), and Biomedical devices.

How to download and install CASA software:

- Download for CASA from the following link:
<http://www.casaxps.com/berlin/index.html>
- Installation and getting started with CASA:
<http://www.casaxps.com/berlin/Download-Installation-GettingStartedwithCasaXPS.pdf>

About X-ray Photoelectron Spectroscopy:

- X-ray Photoelectron Spectroscopy: The Basics, Curve-Fitting and Advanced Studies: <https://www.youtube.com/watch?v=GwKiAh-ndBU&t=16s>
- Prof. Mark Biesinger Youtube channel:
<https://www.youtube.com/channel/UCnFx4cut0S-CZXwdkekGyHg>