

## MENELLE Alain

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**Envoyé:** lundi 25 mai 2026 16:05  
**À:** neutron@neutronsources.org  
**Objet:** [Neutron] Hiring Neutron Instrument Scientists – SANS and Imaging (Part-Time, Project-Based Roles)  
**Pièces jointes:** ATT00001.txt

Hiring Neutron Instrument Scientists – SANS and Imaging (Part-Time, Project-Based Roles)

### Summary

TVB Associates is assembling a team of experienced neutron beam instrument scientists to support bids for scientific and technical design services across multiple instrumentation projects.

Opportunities may include:

- Design of time-of-flight (TOF) SANS and neutron imaging instruments for a pulsed compact accelerator-driven neutron source
- Contributions to neutron optics upgrades for a reactor-based SANS beamline
- Design of a neutron imaging beamline at a reactor source
- Development of SANS concepts that may incorporate a cold neutron source

These are opportunities to contribute scientific insight to instrument development projects and if applicable, mentor younger instrument scientists—while maintaining flexibility and existing professional commitments.

These are part-time, project-based consulting roles, and may be suitable for recently retired experts who want to stay engaged without taking on a full-time position.

### Scope of Work

Depending on project needs, team members may contribute to one or more of the following:

- Design of SANS wavelength bandwidth, resolution, and Q-range, and defining collimation and guide systems, pulse structure and choppers, other neutron optical components, shielding, detectors and data acquisition systems
- Cold neutron source integration to enhance instrument performance
- Design of imaging and tomography beamlines, defining spatial resolution, flux, and wavelength capabilities, and supporting energy-resolved or time-resolved imaging approaches

### What You'll Do

Depending on project needs, you may:

- Provide scientific and technical leadership in instrument design
- Translate user needs into specifications
- Conduct performance modelling and advise on trade-offs of design choices
- Write or contribute to conceptual and technical design reports

- Interact with instrument technical advisory committee to gather technical reviews and input
- Advise on fabrication and integration of components into a final, commissioned instrument
- Mentor junior contributors to instrument development projects

### Who You Are

- A recognized expert in neutron instrumentation, especially in SANS or imaging
- Mid- to senior-career or retired yet scientifically active
- Interested in part-time, high-impact consulting work

### Why Work With TVB Associates

- Flexible, part-time consulting roles that can fit alongside your current position or retirement
- Opportunity to shape future instruments and upgrades
- Opportunities to mentor the next generation of neutron instrument scientists
- Collaboration with other experts on the team

### To Express Interest

Please send a brief CV and a short statement of interest outlining your expertise and availability to:

[Daniel.Banks@tvbassociates.ca](mailto:Daniel.Banks@tvbassociates.ca)

### Daniel Banks

President and Strategist for Research Infrastructure

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905-592-1906 | EDT (GMT -4:00)

[Book a time on my calendar](#)