



Gemmological
Research
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1 Day Advanced Diamond Program ID of Natural & Lab-grown(CVD,HPHT)

October 9, 2024 at **Basil Gem Lab, Hyderabad**

Limited to 15 members per session on a first come first serve basis

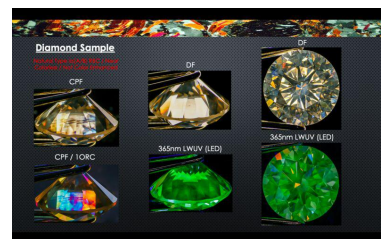
Previous gemological expertise required

Instructor: [Branko Deljanin](#), B.Sc., GG, FGA, DUG, Canadian Gem Lab, Vancouver

Timing: 9:00 AM - 5:30 PM (with a lunch break from 12:30 PM - 1:30 PM)

Identification of Natural and Synthetic Diamonds:

- Classification of diamonds based on nitrogen and boron content
- Colourless natural diamonds: sources, characteristics, and identification methods
- HPHT and CVD diamond growth processes
- Inclusions in natural vs. synthetic diamonds
- UV lamp analysis: reactions of various diamond types under LW/SW UV ("PL Inspector")
- CPF (Cross Polarized Filters) method and tools for screening and identifying diamonds



Practical Workshop

Participants will test samples of Ia, IIa, IIb, and Ib diamonds (both natural and synthetic) using microscopes, a mini UV lamp ("PL Inspector"), and a Mini Polariscope. Additionally, a Portable Synthetic Diamond ID Kit (including a loupe, polariscope, light, and UV lamp) and the EXA Natural Detector will be available for use.

Participants will receive handouts for each slide and a booklets titled

"Fluorescence as a Tool for Diamond Origin – Identification Guide" ([USD \\$35.00](#))

"Identifying Diamond Types and Laboratory-grown Diamonds-with CPF (Cross-Polarized Filters), 3rd Edition" ([USD \\$40.00](#))

Upon completion of the one-day program, participants will receive a Certificate of Completion.

Cost: US\$350/participant

Note : Food & Snacks not included