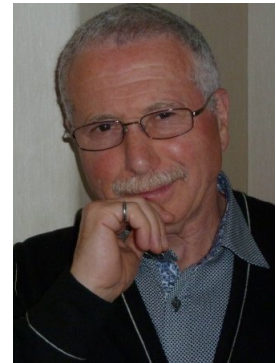




# IEEE Okanagan Subsection Presents

Ark Tsisserev, P.Eng.  
EFS Engineering Solutions Ltd.



## **Bonding and Grounding - What, Why and how?**

**Time & Date:** 4:00 pm – 5:00 pm, Monday December 8th, 2014

**Location:** E 103, [Okanagan College](#), 1000 KLO Rd., Kelowna, BC V1Y 4X8 ([parking info.](#))

**Talk Abstract:** Understanding the objective of bonding of electrical equipment and methods of bonding. Difference between grounding of electrical equipment and grounding of electrical systems. Specific functions of bonding and grounding conductors. Particular requirements for grounding of High Voltage Installations. Issues of step and touch potential in HV installations. Fundamentals of understanding requirements for High Voltage station and station ground electrode. Principal difference between bonding, grounding and neutral conductors and their sizing.

**Speaker Biography:** Arkady Tsisserev is the President of the EFS Engineering Solutions Ltd, electrical and fire safety consulting company. Before joining the world of the electrical consulting business, Ark was the Electrical Safety Regulator for more than 25 years. Since 1993 he has held the position of the Electrical Safety Manager, Chief Electrical Inspector & City Electrician for the City of Vancouver. Before moving to the City of Vancouver he was Head of Electrical Section for the City of Winnipeg Inspections Department. Ark has written and published many articles, course notes, and taught various CE Code and fire alarm and emergency system courses at UBC, University of Manitoba and via other venues, such as industry associations and community colleges. Ark writes by-monthly columns for the “International Association of Electrical Inspectors News” and for “Electrical Line” journals. Ark is an active member of many industry associations and is involved in numerous technical committees with such organizations as CSA, NFPA, IEEE, ULC, SCC, SFPE and IEC. Mr. Tsisserev was for many years chairing the BC Electrical Code Adoption Committee. Ark is Chair of the CSA Technical Committee for the development of the CE Code and Chair of the CSA Strategic Steering Committee for the Requirements of Electrical Safety. He also actively participates in the ULC Technical Committee for the development of ULC S500 series standards. Ark represents the CSA on the NEC Technical Committee, and he chairs the Canadian National Committee on the IEC TC 64. Ark started his work in the electrical industry in 1962 as a construction electrician. Ark is a certified electrical inspector in the Province of BC and a member of various provincial engineering associations in Canada. He has obtained his PhD Degree in Electrical Engineering from the State University in Kharkov, Ukraine in 1972 and Master's Degree in Electrical Engineering from the University of Manitoba in 1984.

**Refreshments** will be provided. For further information please contact:  
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