Job Board Posting

Date Printed: 2024/03/28

Senior IC Design Engineer (Permanent)

Job ID	**6DE1CD507C7D4**	
Web Address	http://NewCanadianWorker.ca/viewjob?jobname=6DE1CD507C7D4	
Company	Solantro Semiconductor Corp.	
Location	Ottawa, Ontario	
Date Posted	From: 2023-02-07	To: 2023-08-06
Job	Type: Full-time	Category: Engineering
Job Start Date	April 1, 2023	
Job Salary	$116,275 To $135,000 Per Year	
Languages	English	

Description

Solantro Semiconductor Corp. is seeking a Senior IC Design Engineer to help support existing Solantro ICs, and bring new ICs through the design process, ensuring high quality and reliability. Duties and Responsibilities: Designing Integrated Circuits (IC's). Electrical design and simulation of advanced analog and mixed-signal circuit blocks including Analog-to-Digital Convertors (ADC, Successive Approximation Register, Delta-Sigma switched-capacitor and continuous-time), Digital-to-Analog Convertors (DAC), Programmable and Variable Gain Amplifiers (PGA, VGA), Offset-Correcting precision amplifiers (Chopper and Auto-Zero), fast comparators, Phase-Locked-Loop (PLL). Provides guidance to layout designers for optimum physical layout and co-operates with senior and junior IC designers in integrating functional blocks into high complexity integrated circuits for power management. Conduct research into the feasibility, design, operation and performance of electrical generation and distribution networks, electrical machinery and components and electronic communications, instrumentation and control systems, equipment, and components. Develop maintenance and operating standards for electrical and electronic systems and equipment. Develop maintenance and operating standards for electrical and electronic systems and equipment. Investigate electrical or electronic failures. Conduct micro or nanodevices simulations, characterization, process modeling and integration in the development of new electronic devices and products. Liaise with management, engineers, and other personnel. Design electrical and electronic circuits, components, systems, and equipment. Design, conduct and analyze quantitative and qualitative research projects. Conduct research to discover, develop, refine, and evaluate new products such as those used in nanoelectronics and other applications.

Experience

Minimum 3-4 years of industrial experience (in at least two of the circuit types listed above). Experience requirement commensurate with level of graduate degree (masters or doctorate). Experience with integrated circuits (IC's), modelling and simulations, amplifiers, analog and digital signals and Research and Development (R&D).

Education Requirements

Graduate Electrical Engineering degree (Master's or Ph.D. level) from an accredited institution.

Work Environment

Office and facility environment in urban location.

Other

Employer: Solantro Semiconductor Corp. https://www.solantro.com/ Location: 146 Colonnade Rd, Suite 200, Nepean, ON K2E 7Y1 (613) 274-0440 Wage: $116,275 to $135,000 annually Hours: 40 hours per week. Benefits: Group Benefits Plan, includes Health, Dental, AD&D, Life Insurance and Long-Term Disability coverage. Eligible for RRSP matching by employer of up to 5% of gross salary. Annual salary review and eligible for discretionary performance bonus. Parking on site. Vacation: 3 weeks annually NOC Code: 21310 - Electrical and Electronics Engineer Start Date: April 1, 2023 or sooner About Solantro SemiConductors Corp. https://www.solantro.com/ We are a world leader in module integrated electronic technology for intelligent solar solutions. The company has assembled a team of proven entrepreneurs with deep experience in system architecture, semiconductors, power conversion, RF, and distributed communications systems. Solantro is working closely with select visionary partners and customers to fundamentally redefine the manageability, scalability, reliability, and economics of grid-tied Solar PV installations through deployment of highly distributed power system architectures based on solid-state innovations

How to Apply

By email to: info@solantro.com