

**RESEARCH STAFF – METALLURGY R&D GROUP****Position Details:**

Location: 3401 Calle Tecate, Camarillo, CA 93012  
Category: Professional  
Status/FLSA: Full-Time, Exempt  
Date: September 10, 2018  
Website: [www.ytca.com](http://www.ytca.com)

**Job Description:**

YTC America Inc. (YTCA), the North American corporate research and development center of Yazaki Corporation is seeking a talented and highly motivated individual to fill the research staff position in its Metallurgy R&D Group. The individual will become part of an interdisciplinary team of scientists and engineers involved in a broad range of research involving the principles and behavior of metals and alloys. This includes physical and mechanical metallurgy, alloy development, structure property relationships, phase transformations, tribology, and related areas. Focus initially is on aluminum, aluminum alloys, and copper, particularly wires and related components. The individual will also conduct research and development with various metallurgical processing techniques, such as: melting, casting, rolling, extrusion, powder metallurgy, etc.

**Responsibility:**

Reporting to the Associate R&D Director, the individual will be a key member of the laboratory's scientific staff providing metallurgy-related competencies, potential product and process development activities, and will collaborate with the other core competency areas (Polymers, Nanocarbons, Alternative Energy, etc.) within the Company as necessary. This position involves hands-on technical contribution and internal consulting.

- Advance the fundamental knowledge base and core competencies of the Metallurgy R&D group.
- Ensure that intellectual property is captured and protected through proper procedures.
- Work well in a cross-functional project team environment.

**Requirements:**

The ideal candidate will have a Master's degree or Ph.D. in some aspect of metallurgy, materials science, or an allied discipline; strong academic credentials; three (3) years of successful metallurgy R&D experience in an established laboratory preferred; and a proven track record of success as evidenced by publications and/or patents. The successful candidate should have a broad background encompassing a fundamental understanding of physical and mechanical metallurgy. Hands-on experience with the various analytical tools used in metallurgical R&D, such as: SEM, EDX, XRD, XRF, tensile, fatigue, and hardness testing, metallography, EBSD, and related areas is important.

**Qualifications:**

The successful candidate is expected to have a strong desire to contribute to technology development and validation through hands-on work, be self-motivated, have the ability to effectively interact with the other R&D groups, have a can-do attitude, and strong written and oral communication skills.

YTCA offers competitive compensation, excellent benefits, and a state-of-the-art research facility. Authorization to work in the U.S. is a precondition to employment and YTCA does not provide sponsorship for an employment-based visa for this position. Candidates are requested to send cover letter, resume, and a full list of publications and patents to Human Resources at [hr@ytca.com](mailto:hr@ytca.com).

Reply Code: RS-M1-2018.

***YTCA is an Equal Opportunity Employer***