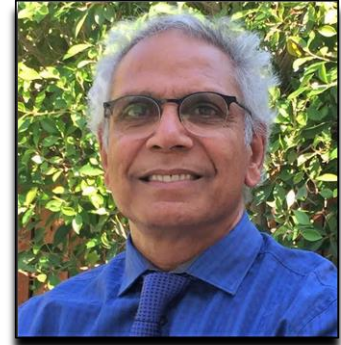


***Dr. Kumar V Jata is now offering a short course on
“Fracture, Fatigue and Crack Growth in Titanium Alloys”***

Date: June 14, 2019

8:30 AM – 5 PM

Venue: Torrance CA, Exact location TBD



Course Outline:

- Microstructures through heat treatments in beta and alpha + beta Ti alloys...
- High cycle fatigue, Low cycle fatigue, fatigue crack growth, Goodman diagram, Kitagawa diagram...
- ASTM test standards for fracture toughness, K_{1c} , J_{1c} and fatigue crack growth...
- Residual stresses, Effect of Notches, Welded joints, Corrosion-fatigue, High temperature fatigue Case studies and practical applications

Course Fee:

ASM Members -- \$250

Nonmembers -- \$300

Students -- \$150

***Course Materials will be provided**

Contact info: Email: Kumarjata@gmail.com / Tel # (937)776-1132

Instructor Bio:

- PhD in Materials Science, University of Minnesota, Minneapolis
- Currently CEO & Owner of Jata Materials Solutions LLC,
- Adjunct faculty in Materials Engineering, Cal Poly, Pomona, CA
- Retired from the Air Force Research Laboratory, Wright Patterson Air Force Base, 2015 Dec
 - Major AFRL positions held AFRL
 - Principal Engineer the Life Prediction Group
 - Research Group Leader of NDE and SHM
 - Technology Development Leader for Metallic Materials,
 - Technical POC- Metallics for Hypersonics, Corrosion and Space Access

Technical Activity:

- Author of 180 technical publications in the areas of Fatigue and Fracture from Cryogenic to High Temperature, NDE & SHM, Friction stir welding, Al-Li alloys, Ti alloys and Ni alloys (Google Scholar)
- 3785 Citations of Published Work (Google Scholar)
- Three inventions and patents
- 100+ National and International Technical Talks.

Distinguished Awards:

- Air Force Research Lab Fellow for life (2006)
- Fellow of ASM International life time (1998)
- Air Force Civilian Achievement Award
- Outstanding Professional Achievement Award, Dayton Affiliates Societies Council
- American Society for Testing and Materials Award for modifying the Creep Crack Growth Standard for Brittle Materials
- 2000 NASA Acquisition Improvement Award for 2nd Generation Reusable Launch Vehicle, member of the USAF Team