Spring Design 301 Springs – Fatigue Training Program Webinar

Thursday, January 20, 2022

1:00 – 5:00 pm EST

The Spring Manufacturers Institute will offer our spring design training webinar for Springs - Fatigue on Thursday, January 20, 2022 from 1:00 to 5:00 pm EST using GoToMeeting.

This is the first offering of SMI's Spring Design 301 Springs – Fatigue class. The course will build upon the principles taught in the basic courses, 201 Compression Spring Design, 202 Extension Spring Design, and 203 Torsion Spring Design. It is recommended that students complete the 200 level courses or have equivalent knowledge before signing up for this course.

The course is designed as a focused, real-world spring design training session.

Students will learn:

- The causes and mechanisms of failure in springs
- The definition of fatigue and three stage fatigue failure process
- The four key factors of fatigue
- Fatigue design considerations for a successful project utilizing the SMI seven step spring design process
- Goodman diagram interpretation and how to input engineering fatigue test data into the ASD7 software
- Fatigue failure analysis methodology overview

Students will have the opportunity to seek opinions and clarification of any fatigue-related issues which they may have.

This class will benefit the student by increasing their knowledge of fatigue of springs and their company by having an SMI-trained associate as part of their team.

The training course instructor is Richard Gordon, Technical Director at SMI. Rick has many years of experience in the wire industry and SMI, conducting failure analysis projects on springs. He currently oversees SMI's failure analysis program. Gary Van Buren, SMI's Technical Advisor and spring design expert, will be available to share his experience solving fatigue-related problems and solutions.

The cost for the program is $195.00 for SMI members, $425.00 for non-members.

SMI Technical Services

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Class Registration Form

Thursday, January 20, 2022

1:00 – 5:00 pm EST

Name: _____

Company: _____

Address: _____

City: _____ State/Province: _____ Postal Code: _____

E-mail for ASD software download: _____

Phone: _____

Credit Card:

Please charge my credit card ☐ Visa ☐ MasterCard ☐ American Express

Card #: _____ Exp Date: _____

Card holder's name (please print): _____

Card holder's signature (required): _____

Per student: $195.00 per SMI member
$425.00 per non-member

Amount: _____
Name(s) and emails of attendees:

_____

_____

_____

Email **credit card** information to: **dina@smihq.org**

Questions? Contact Dina at SMI at **dina@smihq.org**

Upon registration, you will be provided with a set of class presentation slides. Completion certificates will also be available upon request.

Deadline: Registration and payment due by Monday, January 17, 2022.