

SMI FUNDAMENTALS OF SPRING DESIGN SEMINAR REGISTRATION FORM

Fundamentals of Spring Design June 22-23, 2010

NIU Naperville, 1120 E. Diehl Rd.
Naperville, IL (Chicago area)
Registration Fee: \$600/SMI member
\$750/nonmember



Please register the following person in the Fundamentals of Spring Design Seminar on June 22-23, 2010 – NIU Naperville. (*Registration closes May 14, 2010.*)

Name: _____

Company: _____

Address: _____

City: _____ State: _____ Zip: _____ Country: _____

Telephone: _____ Fax: _____ E-mail: _____

- Register me in the Fundamentals of Spring Design Seminar as an SMI member for \$600.
- Register me in the Fundamentals of Spring Design Seminar as a nonmember for \$750.

Sorry, SMI cannot bill you. A check or credit card information must accompany this registration form. Please return your registration form and payment at least 30 days before the beginning of the seminar.

Enclosed is my check for \$ _____.

Confirmation: A confirmation will be sent to all participants about 30 days prior to the start of the seminar. Attendees are responsible for their own travel and hotel accommodations, if necessary. *Attendance is limited. Registrations are accepted on a first-come, first-served basis.*

Please charge this credit card:

Visa MasterCard American Express

Return this form to: Spring Manufacturers Institute
2001 Midwest Road, Suite 106
Oak Brook, IL 60523-1335
or fax to: (630) 495-8595

Card# _____

Exp. Date _____

Card holder's name (*please print*)

Card holder's signature (*required*)



SMI reserves the right to cancel the program up to 30 days prior to the seminar. It is recommended that participants not purchase airline tickets until 25 days before the program. In case of cancellation, SMI will refund all deposits but will not assume responsibility for airline costs. If an attendee must cancel for any reason up to 30 days prior to the seminar, the enrollment fee (less \$100 nonrefundable registration charge) will be refunded. Personnel may be substituted up to the time of the seminar at no additional cost. Questions, call Dina Sanchez at SMI, (630) 495-8588, or email dina@smihq.org



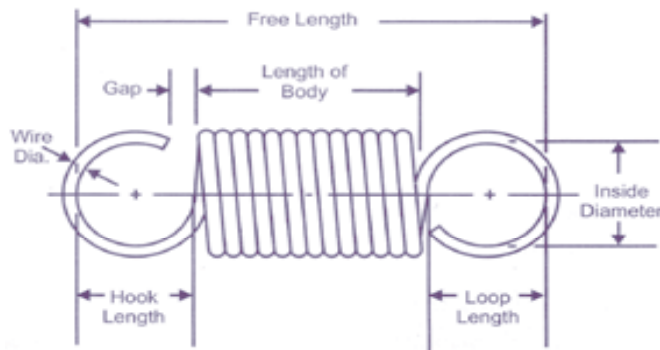
SMI FUNDAMENTALS OF SPRING DESIGN

June 22-23, 2010

Tuesday and Wednesday
NIU Naperville, 1120 E. Diehl Rd.
Naperville, IL (Chicago Area)

Registration Fee \$600 member, \$750/nonmember

A practical problem-solving seminar created for those who design compression, extension and torsion springs, and who select materials.



Fundamentals of Spring Design

With the pressure to meet deadlines plus superior quality considerations, today's spring designer faces problems that were virtually unknown just a few years ago. This seminar will cover the basic problems faced by designers and offer solutions to help meet customers' needs.

In addition to dimensional and load characteristics, intelligent spring design depends upon the considerations of many factors, such as stress, fatigue life, tensile strength and tolerances.

The selection of materials is another major step in the design of all types of springs. The seminar will consider the four major metallurgical classifications: carbon steels, alloy steels, stainless steels and non-ferrous spring materials. To avoid premature failure, factors such as temperature and corrosion, conductivity, physical properties, and available material types must be considered.

Who Should Attend

Those interested in acquiring a basic understanding of spring design, blueprints and SMI's spring design software. This group may include spring company inspectors and supervisors, design engineers, as well as those in management, purchasing and quoting.

Requirements

Students should have basic math skills and a moderate understanding of how springs are manufactured. The Advanced Spring Design 7.0 software will be used in the seminar, but it is not necessary to own either a computer or this particular software. You may, however, download a free 3-day trial version of this software at www.UTS.us.com.

What's Included

The registration fee will cover:

- A minimum of 14 hours of instruction
- A copy of the ***Encyclopedia of Spring Design***
- Continental breakfast, refreshment breaks, and lunch both days
- Use of a PC learning station

The fee does not include transportation to the seminar site, hotel sleeping rooms or dinner.

Instructors Luke Zubek and Dick Carter

Luke Zubek, PE is the technical director of the Spring Manufacturers Institute, providing technical education assistance, and failure analysis services to the spring industry. He has over 20 years experience in the metals industry, and has resolved numerous spring design issues with SMI over the past four years. He holds a Masters of Materials and Metallurgical Engineering degree from the Illinois Institute of Technology and a Bachelors in Metallurgical Engineering from the University of Illinois at Chicago.

Joining Luke will be Dick Carter, Engineering Manager of American Coil Spring Company, who has more than 30 years of experience in the spring industry.



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