

## August 5, 2007 – Computer Fire Modeling Class – SOFTWARE UPDATE\*

Registrants are encouraged to bring their own laptop computers.

Please go to the following websites to download necessary software prior to the date of the class:

*\*DOWNLOAD SPECIFIC VERSIONS.*

**CFAST \*(version 6.1)** - <http://www.bfrl.nist.gov/info/software.html>

**CFAST \*(version 3.1.7)** - <http://www.bfrl.nist.gov/info/software.html> - You will need to enter the CFAST site and proceed to obtain this older version of CFAST through the “ARCHIVE” section.

**NIST Fire Dynamics Simulator and Smokeview \*(version 4.0.7)** – <http://www.bfrl.nist.gov/info/software.html>

**Fire Dynamics Tools (FDT<sup>s</sup>) Quantitative Fire Hazard Analysis Methods for the U.S. Nuclear Regulatory Commission Fire Protection Inspection Program (NUREG-1805, Final Report)** – Please download the bulleted Excel Spreadsheets on the right side of the screen that correspond to the bulleted list below. If you are connected to the Internet, you should be able to click on the bulleted hyperlinks below to open each of the spreadsheets. Once you have opened the spreadsheet, you must save it to a file on your computer. If the hyperlinks below do not work, please proceed to the web site and download the corresponding spreadsheets.  
<http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1805/final-report/index.html>

- [Chapter 3. Estimating Burning Characteristics of Liquid Pool Fire, Heat Release Rate, Burning Duration, and Flame Height](#)
- [Chapter 4. Estimating Wall Fire Flame Height](#)
- [Chapter 5.1 Estimating Radiant Heat Flux from Fire to a Target Fuel at Ground Level under Wind-Free Condition Point Source Radiation Model](#)
- [Chapter 5.2 Estimating Radiant Heat Flux from Fire to a Target Fuel at Ground Level in Presence of Wind \(Tilted Flame\) Solid Flame Radiation Model](#)
- [Chapter 6. Estimating the Ignition Time of a Target Fuel Exposed to a Constant Radiative Heat Flux](#)
- [Chapter 13. Fire Severity Calculations](#)

- Please feel free to contact Greg Gorbett should you have any questions or difficulties (941) 351-6409 or at [greggorbett@hotmail.com](mailto:greggorbett@hotmail.com) OR contact NAFI (941) 359-2800. NAFI will have the software available the day of class; however, it will save time to have them downloaded beforehand. Also, if you choose to wait until class to download these software programs, make sure that you do not need an administrator’s password to download software onto your department equipment.