

5-Day Course in Secure Programming

15th – 19th Dec 2014



Professor Matt Bishop,
Ph.D., Purdue University 1984



Professor Matt Bishop's research area is computer security, in which he has been active since 1979.

He is especially interested in vulnerability analysis and denial of service problems, but maintains a healthy concern for formal modeling (especially of access controls and the Take-Grant Protection Model) and intrusion detection and response.

His textbook, Computer Security: Addison-Wesley published Art and Science, in December 2002. This book is widely used as a required textbook in security courses around the world.

Workshop Content

Session time 10 a.m. to 5 p.m.

Limited Seats Available

Day 1:	Day 3:	Day 5:
Foundation General philosophy Principles of Secure Design Doing it right Fragile code Robust programming	Programming Problems part II Resource mismanagement Buffer overflows and other problems Numerical overflows Bad format string Bogus path traversals Using untrusted resources in trusted environment	Using analysis tools Static analyzers Dynamic analyzers Advantages and drawbacks Resources and other aids
Day 2: Programming problems Introduction; general categories Programming Problems part I Bad data validations SQL injection OS injection XSS redirection etc.	Day 4: Programming Problems part III Nonsecure security code Misadventures in authorization Bad credential management Unneeded privilege escalation Bad or missing cryptography etc.	<p>Date: 15th - 19th December 2014</p> <p>Venue: CERC@IIT-Delhi, Indraprastha Institute of Information Technology, Delhi</p> <p>Fee per participant INR 17500 Discount for 3 or more participants INR 14500 Faculty/Student discount INR 3000</p>

* course will be conducted at IIT-D

Hostel Facility Available for participants

Register at - contact@cisoacademy.com

Course coordinator

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