

INTERNATIONAL WORKSHOP IN CYBER SECURITY 2K11

(IWCS 2K11), December 6 - 10, 2011

REGISTRATION FORM

(Xerox copies also may be used)

Name in full with gender (M/F) :

Designation :

Institution with full address :

Residential address :

Telephone Number
with STD Code : (R)
(O)

Cell Phone Number :

Email address :

Participant or Paper Presenter:

Title of the paper, if presenter :

Accommodation required : Yes/No

Details of DD enclosed : No. :

Date :

Rs. :

Bank :

Any other relevant information :

Date:

Signature of the applicant



ACADEMIC ORGANIZING COMMITTEE

- ❖ **Dr. K. Arasu**, Professor of Mathematics, Wright State University, Dayton, OH 45435, USA.
- ❖ **Dr. Jennifer R. Seberry**, Professor and Former Head, Department of Computer Science & Director, Centre for Computer Security Research, University of Wollongong, Australia.
- ❖ **Dr. T. Thrivkraman**, Professor of Mathematics, Kannur State University.
- ❖ **Dr. R. Balasubramanian**, Professor & Director, Department of Mathematics, Indian Institute of Mathematical Sciences, Tharamani, Chennai, India.
- ❖ **Dr. Ilias S. Kotsireas**, Wilfrid Laurier University, Department of Physics and Computer Science, 75 University Avenue West, Waterloo Ontario N2L 3C5, CANADA
- ❖ **Dr. Tony Thomas**, Assistant Professor, Indian Institute of Information Technology and Management–Kerala, Thiruvananthapuram, India.
- ❖ **Dr. Sr. P.L. Lilly**, Associate Professor, Centre for Research and PG Studies, Department of Mathematics, St. Joseph's College, Irinjalakuda 680121, Kerala State
- ❖ **Dr. N. R. Mangalambal**, Associate Professor, Centre for Research and PG Studies, Department of Mathematics, St. Joseph's College, Irinjalakuda 680121, Kerala State



LOCAL ORGANIZING COMMITTEE

- | | |
|------------------------------|--|
| Principal | : Dr. T. K. Anee (Sr. Annie Kuriakose) |
| Head, Department | : Ms. Rani M.J.
Associate Professor |
| Convenor | : Dr. P.L. Lilly, (Sr.Christy)
Associate Professor |
| Secretary | : Dr. N. R. Mangalambal
Associate Professor |
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**International Workshop in
Cyber Security 2K11
(IWCS 2K11)
December 6 - 10, 2011**

Organized by
**Center for
PG Studies & Research in Mathematical Sciences
&
Centre for
Innovative PG Studies in Cyber Security**
in association with
Kerala Mathematical Association



St. Joseph's College

Irinjalakuda – 680121, Thrissur District, Kerala State, India
Tel +91 480 2825358, 2822858 Cell 0 9497 06 2897
Email iwcs2k11@gmail.com www.stjosephs.edu.in



THE INSTITUTION

A forty eight year old aided, affiliated and reaccredited centre of higher learning with two research centers, eight PG Programs and 13 UG Programs, St. Joseph's College, perched amidst the verdant expanse of the solemn temple town of Irinjalakuda, a suburb of the cultural capital Thrissur, brought light, life and love to the women of the hamlet after long years of gloom and despair that stunted their growth and maturity. Over ninety percent of the women community of the suburb irrespective of caste or creed is college educated today thanks to this institution. It is the incredible story of the miraculous transformation of country Janes to highly sophisticated dames of merit and mettle. Strategically placed about forty kilometers west of the Kochi International Airport and 22 kilometers from Thrissur Railway Station (Southern Railway), it is well accessible by all means of travel from all sides. A renowned pilgrim complex, the town is also home to the only Bharatha Temple in the world.

CENTRE FOR PG STUDIES & RESEARCH IN MATHEMATICAL SCIENCES

As old as the college itself, the centre is an academic complex of three disciplines – Mathematics, Statistics and Computer Science - the sub-centre of which imparts the UGC sponsored Innovative Program, Masters in Cyber Security. The centre has by this time hosted three international academic colloquia and a dozen national events apart from publishing a number of books and compendia of proceedings. Its infant Research wing has already produced a doctorate and runs full to its brim in doctoral guidance. The present workshop seeks to dwell on the farthest frontiers of the thrust area and to preserve the results thereby gleaned as a scholarly assemblage of rare insight and delight to those obsessed with security concerns of systems Cybernetic application processes.

THRUST AREA OF THE CONFERENCE

The thrust area of the workshop falls at the intersection between Mathematics and Cyber Science. The advent of Internet opened up infinite opportunities and possibilities in all facets of human life in the yester decade, but not entirely free from the security threat it brought in its wake. With its wide ranging and inescapable impact on every aspect of human activity including finance, defense, government, education, healthcare, arts and entertainment, Cyber security has become increasingly important in today's network world. The present combo-event

of three-day-workshop and two-day-conference will include deliberations on the following major themes:

- ❖ Principles of computer systems security
- ❖ Attack techniques and how to defend against them
- ❖ Network work attacks and defenses
- ❖ Operating system holes, application security (web , e-mail, databases)
- ❖ Viruses, social engineering attacks, privacy, and digital rights management
- ❖ Symmetric encryption and message integrity
- ❖ Buffer over flow attacks and defenses
- ❖ Public key encryption
- ❖ User authentication
- ❖ Firewalls
- ❖ Viruses: building and defending
- ❖ Network security protocols
- ❖ Digital signatures

The prominent scholars in this area are participating in this conference. In particular some of the specific areas such as design of cryptographic algorithms, theory of S-Boxes, Public Key Cryptography, hashing algorithms, data base security, authentication codes – analysis and design, Hadamard matrices, secret sharing schemes and combinatorial Designs are introduced by the authorities in this area. Besides lectures, research papers on frontier areas will be presented by young researchers, engineers and industry professionals at a global level.

CALL FOR PAPERS

Papers for presentation at the conference will be accepted only subject to approval by referees. Please send abstracts electronically (preferably in LaTeX or Word format 12 point Times New Roman with titles in 14 point) to the email address iwcs2k11@gmail.com. The title line of the paper may be followed by the name(s) of the author(s) (with the name of the presenter underlined) accompanied by their affiliation(s) and e-mail address (es).

The abstract of the papers in about 100 words containing AMS classification number and five key words may be transmitted electronically to the email id iwcs2k11@gmail.com not later than 31 October 2011 accompanied by the fully filled in application for registration and a Demand Draft for the required amount of fee. Authors will be communicated acceptance of



their abstracts or otherwise within a reasonable period after initial review, and the full text of the papers need be sent only on receipt of this communication.

Papers in their full form will also be peer-reviewed for publication based on originality, content, correctness, contributions and readability. The deadline for the receipt of the full text of the paper (.doc., tex with .pdf) in electronic form at the above mentioned email id is 30 November 2011.

IMPORTANT DATES

The last date for the submission of abstract and the registration form with DD : 31-10-2011

The last date for full paper submission : 30-11-2011

REGISTRATION

Registration is compulsory for all the participants. To register, kindly fill in the attached registration form and mail it to us accompanied by the DD before the deadline, 31-10-2011. To apply online : www.stjosephs.edu.in/iwcs2k11

FEES

Students	: ₹ 500.00
Research scholar	: ₹ 1,000.00
Faculty/Academicians	: ₹ 1,500.00
Industry	: ₹ 2,500.00

All payments should be made by DD in favour of "Dr. Lilly P.L., Department of Mathematics, St. Joseph's College, Irinjalakuda, payable at Irinjalakuda."

ACCOMMODATION

Paid accommodation will be arranged for all the registered outstation participants on a first come first serve basis, on request. For details contact the convenor.

CONTACT

Dr. Lilly P.L. (Sr. Christy)

Associate Professor, Department of Mathematics, St. Joseph's College, Irinjalakuda, Thrissur District, Kerala State -68012

Phone: 0480 2822858, Mob: +91 9497062897

E-mail: sr.christy@gmail.com

