



**Department of Physics**  
**Faculty of Science / University of Peradeniya**



**Dr. J.P. Liyanage**

*B.Sc. (CMB), Ph.D. (CMB)*

**Senior Lecturer**

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## About Me

I am a Senior Lecturer, attached to the Department of Physics, University of Peradeniya, Sri Lanka. I have been working in the area of Lightning Research for the last fifteen years and have obtained my Ph.D. in the same area. My research interests focuses mainly on Physics of Lightning and other Electrical Discharges.

## Higher Education Qualifications



**PhD**

University of Colombo  
Sri Lanka  
(2006)



**BSc**

University of Colombo  
Sri Lanka  
(1997)

## Awards, Scholarships, Memberships & Fellowships



Member (life), Institute of Physics (IPSL), Sri Lanka



Member (life), Sri Lanka Association for the Advancement of Science (SLAAS)



Member, Young Scientists Forum (YSF)

## Positions Held



Chairman, Board of Study in Physics

## My Teachings



PH304: Relativity



PH366: Physics of Atmosphere, Weather and Climate

## Research Interests (Research Fields/ Projects)

Electrical discharges and Lightning, Physics of Electrical Discharges,  
Laboratory Discharges, Low pressure discharges

Physics Education

## Ongoing Research and Projects



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## Key Publications



IEEE Transactions on Plasma Science - (2006)

Resistance of spark channels



Geophys. Res. Lett. - (2007)

Measurements of NOX produced by rocket-triggered lightning

## Conferences



Nothing to show under this subheading !!!

## My Publications

Please goto the website.

<https://sci.pdn.ac.lk/physics/staff/Prasanna-Liyanage>