

Power Lines and Mobile Phones: Addressing Concerns about EMF



9 November 2012
CRCE
Chilton

The electromagnetic field (EMF) environment in which we live is becoming busier and increasingly diverse, particularly as more popular wireless technologies are being developed and used. At the same time there are health concerns as some studies suggest the possibility of various adverse health effects associated with exposure to EMFs.

One of the main roles of the Health Protection Agency is to provide advice on standards of protection for exposure to non-ionising radiation. Examples of non-ionising radiation include the extremely-low frequency (ELF) electric and magnetic fields associated with electricity use and supply, and the radio frequency (RF) electromagnetic fields associated with wireless communications.

Course Outline

This course provides an introduction to the characteristics of EMFs and the effects of exposure to this type of non-ionising radiation. It includes an overview of the current status of biological and epidemiological research in this area together with the latest information on exposure guidelines and regulations. Delegates will also be introduced to the exposure assessment process, with some practical activities and case studies incorporated in the programme. At the end of the day, there will be a short presentation given by one of HPA's communications representatives on dealing with EMF press enquiries.

This year's invited speaker is Professor Anthony Swerdlow who is a member of the International Commission on Non-Ionising Radiation Protection (ICNIRP) and also the chairman of the HPA's independent Advisory Group on Non-Ionising Radiation (AGNIR). Professor Swerdlow will present an update on the latest research developments in RF epidemiology with an overview of the recently published AGNIR RF review.

There is the opportunity to talk to the speakers during panel discussions and more informally during the day.

Delegate Suitability

The course is intended for: local authorities, industry health and safety managers, and professionals working in environmental health, planning and public health.

Further Information

For general information about any other radiation protection matters contact

Press and Information Group
Health Protection Agency
Centre for Radiation, Chemical and Environmental Hazards
Chilton Didcot Oxon OX11 0RQ

Tel +44 (0) 1235 822742
email chiltoninformationoffice@hpa.org.uk
website www.hpa.org.uk/radiation

Health Protection Agency
Centre for Radiation, Chemical and Environmental Hazards
Chilton Didcot Oxon OX11 0RQ UK

Provisional Programme

09.00

Registration and refreshments

09.15

Welcome and Introduction

09.30

Introduction to the Science:
Electromagnetic Fields and Dosimetry Concepts

10.10

Current Biology Research Status

10.45

Refreshments

11.00

Exposure Guidelines

11.50

Morning Panel Discussion

12.05

Lunch

12.50

Group Work: Assessing Exposure

13.50

ELF Epidemiology

14.10

Public Exposure

14.40

Afternoon Panel Discussion

14.55

Refreshments

15.10

Radiofrequency Epidemiology and the AGNIR Report

15.40

Communication Issues

15.55

Final Panel Discussion

16.20

Close (Attendance Certificate)

Fee

£275 per delegate. Morning coffee, lunch and afternoon tea will be included.

Lecturers

The lectures are given by staff from the Health Protection Agency who are specialists in the topics that are presented.

Enquiries

Administration and booking enquiries should be made to the Training Centre or through our website <https://www.hpa-radiationservices.org.uk/nir>

Tel +44 (0) 1235 822701
Fax +44 (0) 1235 822601
email chilton.training@hpa.org.uk

Technical enquiries should be made to the Course Manager
email emftraining@hpa.org.uk

A map and directions to the Chilton site can be found at
www.hpa-radiationservices.org.uk/nir/resources/

Summary of Booking Conditions

Invoices will not normally be issued for training course places and purchase orders are not acceptable in lieu of payment. If sent they will be accepted for information purposes only.

Unless otherwise stated, there will be no refund of the course fee for cancellations received within 10 working days of the course start date. For courses where this period is 5 weeks this will be clearly stated. For all other cancellations, the course fee will be refunded, less an administration fee.

Full HPA Terms and Conditions apply and can be found at
www.hpa-radiationservices.org.uk/nir/resources/

Please note HPA has a No Smoking policy on its property

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Please tick box indicating area of interest

- | | |
|----------------------------------------------------------------------------------|--------------------------------------------------------|
| <input type="checkbox"/> Powerfrequencies | <input type="checkbox"/> RF dielectric heating/welding |
| <input type="checkbox"/> Induction heating | <input type="checkbox"/> RF broadcast/communications |
| <input type="checkbox"/> Mobile telephony | <input type="checkbox"/> Other |
| <input type="checkbox"/> Cheque enclosed for £275 | |
| <input type="checkbox"/> I have paid by credit card | |
| <input type="checkbox"/> I will pay by BACS (please contact the Training Centre) | |

Title
Surname
Forename(s)
Employer and address
Postcode and country
Nationality
Tel
Fax
email
Alternative correspondence address
Postcode and country
Please state any dietary or other special needs
I confirm that I have read and agree to the Full Terms and Conditions of booking available on the HPA website
Signed _____ Date _____
Print name
Course Reference No. LTK1