

SIRACH-(Sustainable Innovation in Refrigeration, Air Conditioning and Heat Pumps)

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- A dissemination network
- Sustainable Innovation in Refrigeration, Air Conditioning and Heating
- Built on SIRAC – a successful Network with 400 members, website, etc



The screenshot shows the SIRAC website homepage. At the top left is the SIRAC logo and the URL www.sirac.org.uk. Below this is the tagline: "Sustainable Innovation in Refrigeration and Air Conditioning Industrial Academic Research Partnership Network". A navigation menu includes links for "about SIRAC", "links", "site map", "contact", and "members". A search bar is located on the right side of the page. The main content area features a large image of a solar panel array and a navigation bar with links: "home", "past events", "r&d reviews", "news", "subscribe", "funding", "exchange", and "join". Below the main content, there is a section titled "Events" with a sub-heading "Recycling, reducing waste and carbon foot printing in the refrigeration industry. Hosted by Overton Recycling 19/09/13". At the bottom, there is a section for "Commercial Refrigeration".



What are our deliverables?

- Disseminate i-STUTE results via Network meetings.
- Hosting Network meetings in the UK and overseas.
- Provide regular features in a key monthly journal.



Event name	Date	Subject	Attendees
Emerson Technologies, Northern Ireland	25 February 2014	Heat pump and compressors	29
Spirax Sarco, Cheltenham	21 May 2014	Heat powered cycles	36
ICCC International Conference - London	25 June 2014	Challenges to implementing sustainability	35
Mitsubishi Electric – Edinburgh	2 September 2014	Innovation in Air Conditioning and Heat Pumps	32
Sainsbury's Supermarket – Leicestershire	22 October 2014	Commercial refrigeration, cooling and heating	50
Climate Center – Leamington Spa	5 February 2015	Components for Air Conditioning and Heat Pumps	42
Arctic Circle, Hereford	23 April 2015	Development in Heating and Cooling Technologies	35
IRC Congress, Yokohama, Japan	16 - 22 August 2015	Sustainable heating and cooling	
Newcastle University	September 2015	Energy Storage	
Birmingham University	November 2015	A commission on cold	

Past & Future Meetings

The Objective of the proposed workshop will be to:

1. Provide attendees with a thought provoking and informative workshop on technology innovation and application.
2. Share the similarities and differences in sustainable market transitions between Europe, the US and Japan.
3. Explore opportunities for joint thinking and working together.
4. Expand the SIRACH network and increase international membership.

**SIRACH
WORKSHOP-
International
Congress of
Refrigeration (ICR)
2015**

Article Title	Published Month
Innovation in Air Conditioning and Heat Pumps (Edinburgh)	November 2014
Commercial refrigeration, cooling and heating (Leicester)	January 2015
Components for Air Conditioning and Heat Pumps (Leamington Spa)	March 2015
An eye on the future of heating and cooling technologies- Introduction	April 2015
Upcoming Articles	
Magnetic heating and cooling	Due May 2015
Development in Heating and Cooling Technologies (Hereford)	Due June 2015
Thermoacoustic	Due July 2015
Absorption	Due August 2015
Sterling cycle	Due September 2015
Thermoelectric	Due October 2015
District Heating and Cooling (Newcastle University)	Due November 2015
Adsorption	Due December 2015



The screenshot shows the SIRACH website interface. At the top, there is a navigation bar with links for Home, News, Resources, Directory, App Store, and About. A search bar is located on the right side. The main content area features a large heading: "SIRACH | Exploring innovations in heating and cooling". Below this, there is a sub-heading: "THE NETWORK FOR SUSTAINABLE INNOVATION IN REFRIGERATION AIR CONDITIONING AND HEAT RECOVERY". The central focus is the "SIRACH AUTUMN 2014 MEETING" announcement, which includes a photograph of the meeting and a detailed text block. The text describes the meeting's focus on innovations in air conditioning and heat pumps, hosted by Mitsubishi Electric at their plant in Livingston, Scotland. It mentions an opening presentation by Carl Dickinson from Mitsubishi Electric and a main focus on heat pump technology. The meeting was held on 5th February 2015 at the Climate Center at their Sustainable Building Center in Leamington Spa. A quote from Andrew Good, Editor, states: "The Cooling Awards have played a major role in improving the industry click here for editor's view".

Thank You.

Any Questions, Comments,
suggestions.....