



ENGINEERING AND PHYSICAL SCIENCES RESEARCH COUNCIL

Autonomous & Intelligent Systems



EPSRC
Pioneering research
and skills

Dr Simon Crook (Senior Manager, Aerospace, Defence & Marine)

Background

- Autonomous and intelligent systems which are capable of independent action in dynamic, unpredictable environments are a challenge in a number of scenarios.
- In order to contribute to the future research interests of the EPSRC partner companies, we are inviting novel research leading to future exploitable technologies for autonomous and intelligent system following successful research programmes.
- It is expected that many academic disciplines will have research ideas to contribute to this call.

Key Points

- To fund novel TRL 1-3 research in autonomous and intelligent systems
- Up to £6M available
- Grants up to 5 years in length
- Co-sponsored by EPSRC, BAE Systems, Network Rail, Scisys, Cisco, NNL & Sellafield Ltd.
- Closing Date 4th August
- Projects start by 31st March 2011

Research Areas

- software architectures
- sensor exploitation
- situational awareness
- decision making and planning
- information management
- Verification of autonomous systems
- Model building and learning

Proposals must target at least one area. We are not looking for a finished system but technologies which may be exploited for future autonomous and intelligent systems.

Who Can Apply & How

- Higher Education Institutions, research council institutes and independent research organisations.
- Full list at :
<http://www.rcuk.ac.uk/research/Pages/Eligibilityforrcs.aspx>
- Via the joint electronic Submission System (Je-S). Instructions and guidance are in the call document.
- Note the new policy on equipment funding applies.

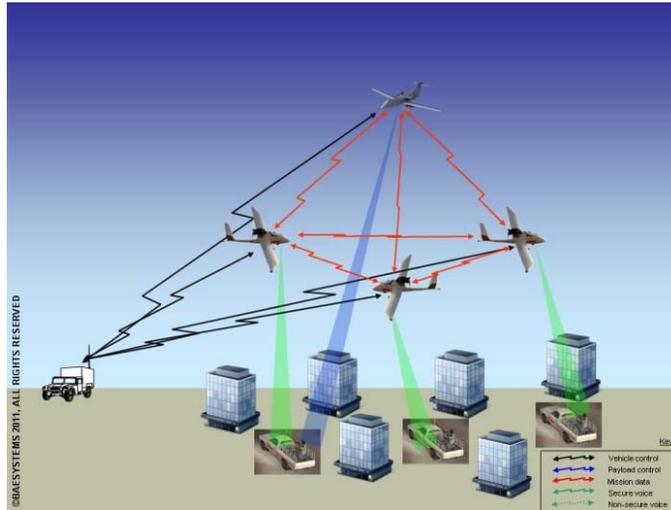
Assessment Criteria

- Full postal peer review with opportunity for the applicant to address reviewer comments ahead of the decision panel
- Decision panel comprised of academics and sponsoring industrialists
- Proposal awarded via:
 - Scientific Quality and merit
 - A high quality vision contributing to at least one of the research needs of the call
 - Relevance to the partner interests as set out in the table shown in the call document.
- Panel meets in December 2011

Collaboration & Contacts

- EPSRC passes ownership of any IPR funded to academia. IPR/collaborative agreements will be expected to be agreed by successful applicants with the consortia of co-sponsoring companies.
- No funding will be released until this has been completed.
- All general call queries regarding the call should be directed through EPSRC via Simon Crook in the first instance.

Example Scenarios



- Rail Infrastructure
- Mars Rover
- Nuclear Decommissioning by Tele-autonomy
- Co-operative Vehicles

EPSRC

Pioneering research
and skills

Some FAQ's so far.....

- Scale of grant, consortium or single applicant?
- Do I need to be a partner with one of the companies already or as part of the proposal?
- Can I bring in other company partners?
- Are you looking for a complete vehicle/system?
- The closing date is relatively short, can I have an extension?

EPSRC

Pioneering research
and skills

QUESTIONS?