



Kick-off meeting for IFAST Task 12.1

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Task 12.1 - Sub-Task 6: Barriers to accelerator adoption by industry / M1 – M48 (INCT, STU)

12.1.6 -Barriers to accelerator adoption by industry (INCT, STU): will study the barriers which are discouraging some companies from benefitting from accelerator technologies. These include financial concerns, legal barriers, security concern and lack of specialized knowledge. It will use experience from companies that have successfully introduced their use to address these concerns

- Environmental applications of electron beams
- Industrial applications introduced into new countries

Task 12.1 - Sub-Task 6: Barriers to accelerator adoption by industry / M1 – M48 (INCT, STU)

1. Identification of barriers:

- financial
- legal
- security
- *public opinion*
- lack of educated staff

STU experience from companies that have successfully introduced accelerators : **EB Trencin SK** for industry

Task 12.1.6

- Field of Applications
- Economic and Environmental Impact
- Equipment Trends
- Market Prospects
- Market Challenges

A. J. Berejka, PROSPECTS AND CHALLENGES FOR
THE INDUSTRIAL USE OF ELECTRON BEAM ACCELERATORS



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Sub-Task12.1. 6: Environmental applications of electron beams (Market Challenges)

- The need to address the market in a coherent manner
- The need to be more astute in the selection of areas for applications development
- The need to emphasize energy efficiency
- The need to develop trained professionals
- The need for enhanced industry wide communication

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Points for consideration in developing an iia strategy that meets the needs and expectations of the scientific community.

Collaboration with iiA

- “Accelerators for America’s Future” <http://www.acceleratorsamerica.org/>
- Whilst many companies have their origins in science/engineering most are now owned and managed on a financial basis further supporting the idea that more effort is required to create the required relationships between science and commerce.
- Regulators place a heavy reliance of input from this community. Academia therefore has an important impact on, and is an important influencer of, new laws and regulations. It is therefore in the interests of commercial companies that they share information and knowledge with the scientific community. The iia should recognise the importance of communicating the operational needs, concerns and challenges that commercial organisations face as this could impact on future research, law and on regulations.

iFAST



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