

Joensuun
Tiedeseura ry



ITÄ-SUOMEN
YLIOPISTO

SciFest 2012

Energy Challenge

At Joensuu, April 18 – 21

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SciFest in a nutshell

- Science and technology festival organized at Joensuu for five times (2007 – 2011)
- Roots go back to South Africa
- Gradual increase
 - 2007: ~3000 visitors
 - 2011: 7500 visitors
- Learning through experiences and excitement
- International in nature



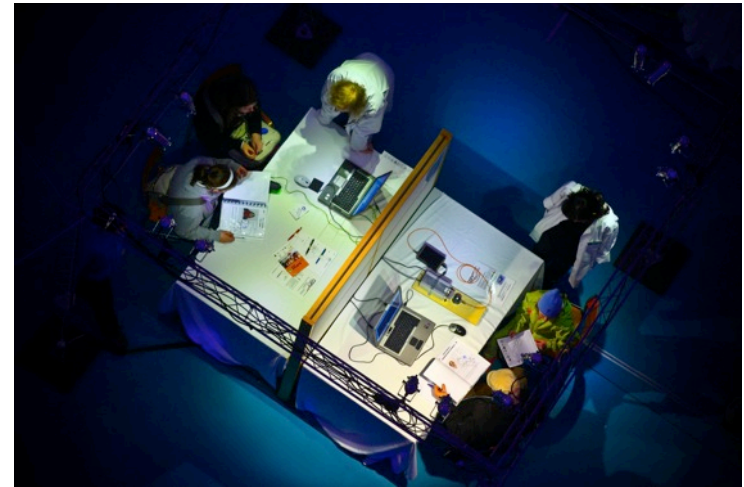
SciFest program



- Workshops for science and technology (~60 at SciFest 2011)
- Lectures, seminars
- Science café
- Competitions
- Teacher training
- Focus on children and youngsters; program for everyone still available

Examples

- CSP: Crime Science Physics (*UEF*)
- Moments in a laboratory (*PKKY*)
- Stories from the changing planet (*WWF*)
- From idea to solution (*TEK*)
- Time travel to pharmacy (*Joensuun Niinivaaran lukio*)
- Sperm cells in hunt for poison (*CoE of Academy of Finland*)



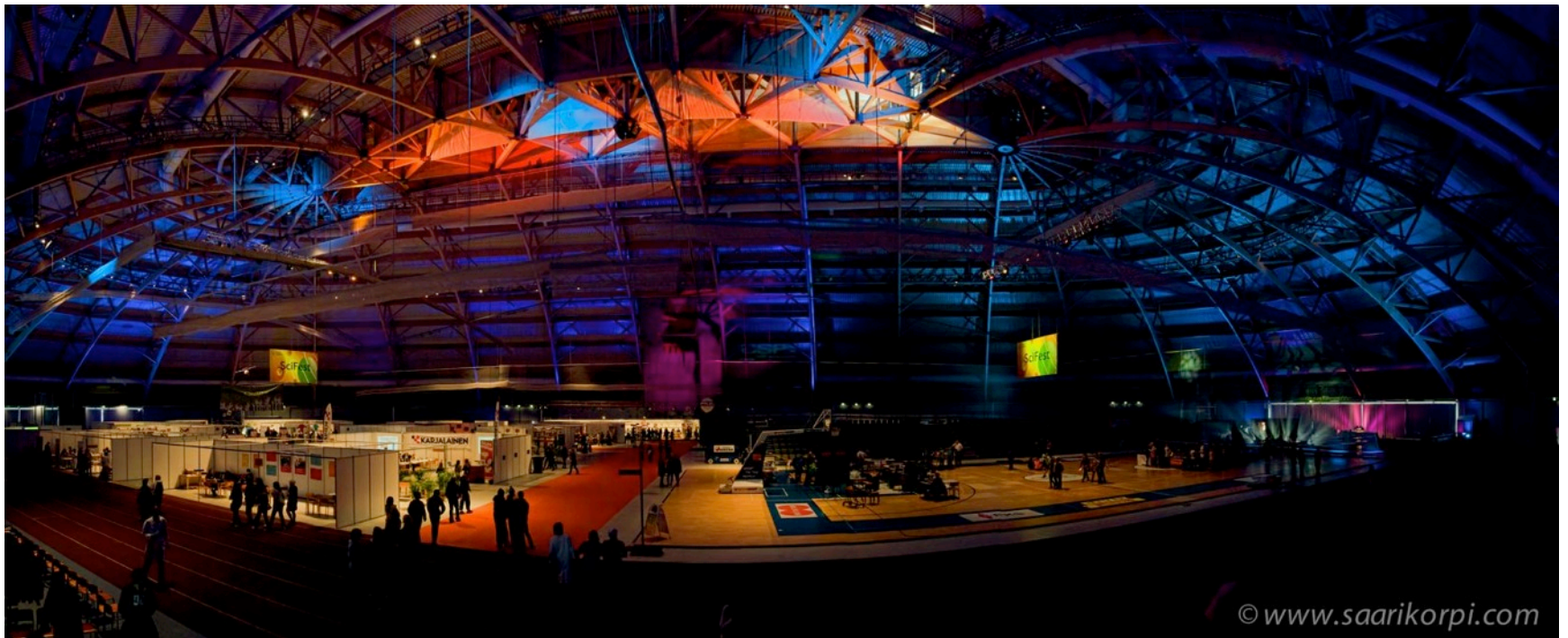
Future of SciFest



- Sustainable growth
 - 2012: 10 000 visitors worldwide
- More deep integration of teacher training
- Solid platform for different activities
 - Massive teacher training events
 - National competitions (e.g. RoboCupJunior)

SciFest 2012

Welcome!



Ideas for CS workshops

- Teaching programming
 - Scratch
 - Educational robotics
 - Alice
- Cryptography
 - Problem solving by decoding messages
 - Enigma
 - Ciphers

Ideas for CS workshops

- Social media
- Topics from CS research groups
 - Mobile games
 - Eye tracking
 - Media computing (speech recognition, natural language processing, ...)
 - Color research