



2010 LA Mini-Conference
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Loyola Marymount University



Systems Radio Podcast

Kent D. Palmer
 Systems Engineer
 SystemsRadio.net
systemsradio@gmail.com
<http://kentpalmer.info>

Systems Radio Podcast **Kent Palmer**



2010 LA Mini-Conference

Academic Background

Recent Ph.D. in Systems Engineering from DASI UNISA AU (2009)

Emergent Design (<http://arrow.unisa.edu.au:8081/1959.8/74458>)

Previous Ph.D. in Sociology LSE U. London UK (Philosophy of Science, 1982)

Structure of Theoretical Systems in Relation to Emergence

• Major fields of interest • Specific Research Subjects

- | | |
|--------------------------------|---|
| – Systems Science | – Ontology |
| – Ontological Engineering | – General Schemas Theory |
| – Architectural Design Methods | – Meta-systems Theory |
| – Domain Specific Languages | – Architectural Design of Systems and Meta-systems |
| – Model Based Design | – Structural Dynamics of Design processes |
| | See http://emergentdesign.net |



Using New Media



- Software Radio (SE-Radio.net) provides tutorials and interviews on Software subjects over the Internet for free using the Podcast format. SE-Radio.net was initiated by Markus Volter in 2006
- Systems Radio plans to follow the same format but provide tutorials and interviews on Systems Thinking, Systems Science, Systems Engineering, and related subjects
- An introductory Podcast recorded in June 2010 introduced the series through an interview in which all the team members participated
- Allows direct dissemination of educational content on Systems approaches
- Allows contact with and conversations between select audiences who are interested in Systems related subjects
- Serves as a clearing house for information on Systems
- Independent of all existing systems organizations



What is a Podcast?



- A Podcast is a Digital Media audio file usually in MP3 format that can be played on a media player (MP3 player such as IPOD, Zune, smart phone, etc.) after being downloaded from the internet using a Podcatcher software application
- RSS files are expressed in XML and are used to list available podcasts for download from a site
- The Podcatcher software polls for new material from a website and downloads it automatically
- The file is transferred to the MP3 player for listening at any time, for instance, while driving a car
- See <http://podcastfaq.com>



What is the Subject Matter?



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- Systems approaches
 - Systems Thinking
 - Systems Science
 - Systems Engineering
- Other related subjects
 - Ontological Engineering
 - Domain Engineering
 - Model Based Engineering
 - Formal Methods
 - Meta-systems Theory (Environments and Ecosystems)
 - Complexity Theory



Systems Radio Podcast

10/16/2010, Chart 5

Podcasts in Pipeline



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- Len Troncale on Systems Science
 - Len Troncale is an Emeritus Professor of Biology at Cal State Pomona
 - He is a leading figure in the Systems Science community
 - Past president of the International Society of Systems Science (ISSS)
 - He recently did a webinar for an INCOSE working group on his systems theory academic work
- Harold Lawson on Systems Thinking
- Tim Weilkiens on System Architecting

Please suggest other Systems Experts that you would like to hear from

Please suggest other Systems related subjects for tutorials and interviews



Systems Radio Podcast

10/16/2010, Chart 6

Why Do A Podcast on Systems?



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- Give a voice to recent cutting edge Systems Research
- Review past important contributions in Systems Research
- Help Systems Engineers understand Systems Theory as a basis for their practical work
- Help develop the knowledge base of Systems Science as a foundation for the Systems Engineering knowledge base
- Make known what is already available in the Systems Literature that is useful but perhaps not widely known and understood
- Bring together people who are interested in Systems Approaches
- Extend our discussions of Systems beyond the already established conversation that has been initiated concerning Software Systems Engineering at SE-Radio.net



Systems Radio Podcast

10/16/2010, Chart 7

Why Is It Taking So Long?



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- Started in January of 2010 with a team of three
- Turns out that creating audio works of good quality is difficult
 - Takes good equipment
 - Takes time, attention, and skills that need to be developed
 - Requires learning techniques of editing, interviewing, production, etc
 - Requires willing interviewees who have important contributions to the state of the art and practice
- Life gets in the way
- Our team seems to be almost over the learning curve and we have started to produce podcast versions of fair quality
- Several podcasts are on the verge of being published



Systems Radio Podcast

10/16/2010, Chart 8

Our Team



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- Larry Earnest
 - Ph.D. candidate in Systems Engineering at Stevens Institute of Technology with dissertation on Process Tailoring
- Kent Palmer
 - Recent Ph.D. in Systems Engineering at UNISA AU with a dissertation on Emergent Design
- Tim Weilkiens
 - Systems Engineering Consultant, Trainer, and Book author in MBSE
 - Friend and colleague of the founder of Software Radio, Markus Volter



Systems Radio Podcast

10/16/2010, Chart 9

What you can do . . .



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- Sign up at SystemsRadio.net
- Log onto SystemsRadio.net and explore the content available there -- comment on episodes
- Sign up to our RSS feed for future episodes
- Volunteer to help with support tasks
- A further fuller explanation is available on the Episode Zero Podcast, its script, and associated presentation
- Check out SE-Radio.net Software Radio Podcast
- Explore the potential of Digital Media yourself



Systems Radio Podcast

10/16/2010, Chart 10