

Luglio, M. The use of satellite communications to ensure global mobility and multimedia capability: The starting challenge of the next millennium; *MUL-M Oct-Dec 99* x7-xx

M

Marano, S., *see* Iera, A., *MUL-M Oct-Dec 99* x5-xx
Marinelli, M., and R. Giubilci. A regenerative payload for satellite multimedia communications; *MUL-M Oct-Dec 99* x4-xx
McAndless, J., *see* Rockwood, A., *MUL-M Jul-Sep 99* 8-11
McCrickard, D.S., *see* Ram, A., *MUL-M Apr-Jun 99* 40-52
Molinaro, A., *see* Iera, A., *MUL-M Oct-Dec 99* x5-xx

N

Nack, F., and A.T. Lindsay. Everything you wanted to know about MPEG-7. 1; *MUL-M Jul-Sep 99* 65-77
Nack, F., and A.T. Lindsay. Everything you wanted to know about MPEG-7: Part 2; *MUL-M Oct-Dec 99* x2-xx
Nakamura, Y., *see* Satoh, S., *MUL-M Jan-Mar 99* 22-35
Nakanishi, H., C. Yoshida, T. Nishimura, and T. Ishida. FreeWalk: a 3D virtual space for casual meetings; *MUL-M Apr-Jun 99* 20-28
Nakatsu, R., *see* Ohya, J., *MUL-M Apr-Jun 99* 29-39
Nishimura, T., *see* Nakanishi, H., *MUL-M Apr-Jun 99* 20-28

O

Ogi, T., *see* Hirose, M., *MUL-M Jul-Sep 99* 14-22
Ohya, J., J. Kurumisawa, R. Nakatsu, K. Ebihara, S. Iwasawa, D. Harwood, and T. Horprasert. Virtual metamorphosis; *MUL-M Apr-Jun 99* 29-39
Orlarey, Y., *see* Konstantas, D., *MUL-M Jul-Sep 99* 54-64

P

Packer, R. Just what is multimedia, anyway?; *MUL-M Jan-Mar 99* 11-13
Pala, P., *see* Colombo, C., *MUL-M Jul-Sep 99* 38-53
Parker, D.J. Defining DVD; *MUL-M Jan-Mar 99* 80-84
Petrone, M., *see* Iera, A., *MUL-M Oct-Dec 99* x5-xx
Price, G., *see* Ratcliffe, M., *MUL-M Jan-Mar 99* 36-48

R

Ram, A., R. Catrambone, M.J. Guzdial, C.M. Kehoe, D.S. McCrickard, and J.T. Stasko. PML: adding flexibility to multimedia presentations; *MUL-M Apr-Jun 99* 40-52
Ratcliffe, M., T.P. Davies, and G. Price. Remote advisory services: a NEAT approach; *MUL-M Jan-Mar 99* 36-48
Real, G., *see* Blefari-Melazzi, N., *MUL-M Oct-Dec 99* x9-xx
Reumann, J., *see* Shin, K., *MUL-M Apr-Jun 99* 84-90
Rockwood, A., and J. McAndless. Through the looking glass: the synthesis of computer graphics and computer vision; *MUL-M Jul-Sep 99* 8-11
Roussel, N. Mediascape: a Web based media space; *MUL-M Apr-Jun 99* 64-74

S

Satoh, S., Y. Nakamura, and T. Kanade. Name-It: naming and detecting faces in news videos; *MUL-M Jan-Mar 99* 22-35
Sellis, T., *see* Vazirgiannis, M., *MUL-M Jul-Sep 99* 24-37
Sengupta, J., *see* Franchi, A., *MUL-M Oct-Dec 99* x8-xx
Senninger, C., *see* Holzbock, M., *MUL-M Oct-Dec 99* x6-xx
Shin, K., T. Abdelzaher, S. Han, J. Reumann, and E. Abram-Profeta. Multimedia-friendly server and communication design; *MUL-M Apr-Jun 99* 84-90
Singh, G. Media spaces [special issue intro.]; *MUL-M Apr-Jun 99* 18-19
Stasko, J.T., *see* Ram, A., *MUL-M Apr-Jun 99* 40-52
Strnadt, C.F. Mobile Multimedia Communications (Goodman, D.J., and Raychaudhuri, D.; 1997) [book review]; *MUL-M Jan-Mar 99* 90-92
Sussman, D. WebDAV: a panacea for collaborative authoring?; *MUL-M Apr-Jun 99* 76-79

T

Taylor, J. DVD-Video: multimedia for the masses; *MUL-M Jul-Sep 99* 86-92
Teeter, B.M. User interface design and development [review of "User and Task Analysis for Interface Design" (Hackos, J.T., and Redish, J.C.; 1998)]; *MUL-M Jul-Sep 99* 94

Teeter, B.R. A Cookbook for JavaScript [review of "The JavaScript CD Cookbook, 2/e" (Sadun, E., and Monroe, J.B.; 1997)]; *MUL-M Jan-Mar 99* 90

Thomas, L., *see* Chen, C., *MUL-M Apr-Jun 99* 54-63
Trachtman, E., *see* Franchi, A., *MUL-M Oct-Dec 99* x8-xx

V

Vazirgiannis, M., I. Kostalas, and T. Sellis. Specifying and authoring multimedia scenarios; *MUL-M Jul-Sep 99* 24-37

W

Wang Fang Ju, *see* Fang Ju Wang, *MUL-M Jan-Mar 99* 49-61
Westwater, R., *see* Furht, B., *MUL-M Jan-Mar 99* 85-89

Y

Yamada, T., *see* Hirose, M., *MUL-M Jul-Sep 99* 14-22
Yoshida, C., *see* Nakanishi, H., *MUL-M Apr-Jun 99* 20-28

SUBJECT INDEX

A

Administrative data processing; cf. Office automation
Aircraft communication
aeronautical channel meas. and multimedia service demons. at K/Ka band. Holzbock, M., + , *MUL-M Oct-Dec 99* x6-xx
Art
Biped, dance with virtual and company dancers. Abouaf, J., *MUL-M Jul-Sep 99* 4-7
multimedia. Brew, K., *MUL-M Apr-Jun 99* 9-12
Audio-visual systems
MPEG-7 std. for multimedia based audio-visual inform. Nack, F., + , *MUL-M Jul-Sep 99* 65-77
Augmented reality
virtual metamorphosis syst., computer graphics avatars. Ohya, J., + , *MUL-M Apr-Jun 99* 29-39
Authoring systems
multimedia scenario spec. and authoring methodology. Vazirgiannis, M., + , *MUL-M Jul-Sep 99* 24-37
Automation; cf. Office automation; Social aspects of automation
Automotive electronics
GPS receiver implement. in consumer mobile electronics products. Lee, J., *MUL-M Oct-Dec 99* x3-xx

B

Book reviews
Mobile Multimedia Communications (Goodman, D.J., and Raychaudhuri, D.; 1997). Strnadt, C.F., *MUL-M Jan-Mar 99* 90-92
NetSci-Fi (Wolff, M., Ed.; 1997). Gougher, R.A., *MUL-M Jan-Mar 99* 92-93
NetStudy (Wolff, M., Ed.; 1997). Gougher, R.A., *MUL-M Jan-Mar 99* 92-93
Reviewing Graphics Programming Black Book Special Edition (Abrash, M.; 1997). Gougher, R.A., *MUL-M Jul-Sep 99* 93
User and Task Analysis for Interface Design" (Hackos, J.T., and Redish, J.C.; 1998). Teeter, B.M., *MUL-M Jul-Sep 99* 94
Broadband networks
Cabin, integrat. live video for immersive environ. Hirose, M., + , *MUL-M Jul-Sep 99* 14-22
Broadcasting
multimedia broadcasting over the Internet, video compression. Furht, B., + , *MUL-M Jan-Mar 99* 85-89

C

CD reviews
The JavaScript CD Cookbook, 2/e (Sadun, E., and Monroe, J.B.; 1997). Teeter, B.R., *MUL-M Jan-Mar 99* 90

Client-server systems

configurable multimedia middleware platform. *Coulson, G.*, *MUL-M Jan-Mar 99* 62-76

Communication standards

everything you wanted to know about MPEG-7, part 2. *Nack, F.*, + , *MUL-M Oct-Dec 99* x2-xx
MPEG-4, third millennium multimedia standard. *Battista, S.*, + , *MUL-M Oct-Dec 99* x1-xx

Computer aided instruction

multimedia storytelling and social aspects. *Davenport, G.*, *MUL-M Jan-Mar 99* 5-9

Computer animation

Biped, dance with virtual and company dancers. *Abouaf, J.*, *MUL-M Jul-Sep 99* 4-7
multimedia scenario spec. and authoring methodology. *Vazirgiannis, M.*, + , *MUL-M Jul-Sep 99* 24-37

Computer applications; cf. Multimedia systems**Computer graphics**

book review; Reviewing Graphics Programming Black Book Special Edition (Abrash, M.; 1997). *Gougher, R.A.*, *MUL-M Jul-Sep 99* 93
Cabin, integrat. live video for immersive environ. *Hirose, M.*, + , *MUL-M Jul-Sep 99* 14-22
technol. synthesis with computer vision. *Rockwood, A.*, + , *MUL-M Jul-Sep 99* 8-11

Computer graphics; cf. Computer animation; Image morphing; Virtual reality**Computer software; cf.** Integrated software; Public domain software; Software packages**Computer viruses**

Virus Encyclopedia. *Ashmanov, I.*, + , *MUL-M Jul-Sep 99* 81-84

Computer vision

technol. synthesis with computer graphics. *Rockwood, A.*, + , *MUL-M Jul-Sep 99* 8-11
virtual metamorphosis syst., computer graphics avatars. *Ohya, J.*, + , *MUL-M Apr-Jun 99* 29-39

Consumer electronics

GPS receiver implement. in consumer mobile electronics products. *Lee, J.*, *MUL-M Oct-Dec 99* x3-xx

D**Database management systems; cf.** Visual databases**Data compression**

MPEG-7 std. for multimedia based audio-visual inform. *Nack, F.*, + , *MUL-M Jul-Sep 99* 65-77
multimedia broadcasting over the Internet, video compression. *Furht, B.*, + , *MUL-M Jan-Mar 99* 85-89

Data handling; cf. Document handling; Multimedia computing**Digital communication; cf.** Digital television**Digital computers; cf.** Microcomputers**Digital storage; cf.** Read-only storage**Digital systems; cf.** Real-time systems; Time-sharing systems**Digital television**

digital video, searchable TV, content filtering. *Dimitrova, N.*, *MUL-M Apr-Jun 99* 14-17

Disk storage; cf. Optical disk storage**Distance learning**

NEAT project, rem. advisory services for students. *Ratcliffe, M.*, + , *MUL-M Jan-Mar 99* 36-48

Distributed object management

Web-based GIS integrat. *Fang Ju Wang*, + , *MUL-M Jan-Mar 99* 49-61

Distributed processing

Cabin, integrat. live video for immersive environ. *Hirose, M.*, + , *MUL-M Jul-Sep 99* 14-22
music rehearsals, distributed environ. *Konstantas, D.*, + , *MUL-M Jul-Sep 99* 54-64

Distributed processing; cf. Client-server systems; Distributed object management**Document handling**

WebDAV collaborative authoring. *Sussman, D.*, *MUL-M Apr-Jun 99* 76-79

E**Education; cf.** Distance learning; Educational technology; Humanities**Educational computing; cf.** Computer aided instruction**Educational technology**

NEAT project, rem. advisory services for students. *Ratcliffe, M.*, + , *MUL-M Jan-Mar 99* 36-48

Electronics industry; cf. Consumer electronics**Encyclopedias**

Virus Encyclopedia. *Ashmanov, I.*, + , *MUL-M Jul-Sep 99* 81-84

Entertainment

DVD-Video, multimedia opt. disk storage technol. *Taylor, J.*, *MUL-M Jul-Sep 99* 86-92

F**Face recognition**

Name-It face detect. and naming syst., news video anal. *Satoh, S.*, + , *MUL-M Jan-Mar 99* 22-35

Feature extraction

Name-It face detect. and naming syst., news video anal. *Satoh, S.*, + , *MUL-M Jan-Mar 99* 22-35

Formal specification

multimedia scenario spec. and authoring methodology. *Vazirgiannis, M.*, + , *MUL-M Jul-Sep 99* 24-37

Formal verification

multimedia scenario spec. and authoring methodology. *Vazirgiannis, M.*, + , *MUL-M Jul-Sep 99* 24-37

G**Geographic information systems**

Web-based GIS integrat. *Fang Ju Wang*, + , *MUL-M Jan-Mar 99* 49-61

Global Positioning System

GPS receiver implement. in consumer mobile electronics products. *Lee, J.*, *MUL-M Oct-Dec 99* x3-xx

Graphical user interfaces

book review; User and Task Analysis for Interface Design" (Hackos, J.T., and Redish, J.C.; 1998). *Teeter, B.M.*, *MUL-M Jul-Sep 99* 94

Groupware

FreeWalk 3D virtual space for casual meetings. *Nakanishi, H.*, + , *MUL-M Apr-Jun 99* 20-28
Mediascape Web based media space. *Roussel, N.*, *MUL-M Apr-Jun 99* 64-74
music rehearsals, distributed environ. *Konstantas, D.*, + , *MUL-M Jul-Sep 99* 54-64
StarWalker multiuser virtual environ. *Chen, C.*, + , *MUL-M Apr-Jun 99* 54-63
WebDAV collaborative authoring. *Sussman, D.*, *MUL-M Apr-Jun 99* 76-79

H**Humanities**

Virtual Hypermedia Factory, cultural heritage appl. *di Napoli, C.*, + , *MUL-M Apr-Jun 99* 80-83

Humanities; cf. Art; Linguistics; Music**Hypermedia**

Virtual Hypermedia Factory, cultural heritage appl. *di Napoli, C.*, + , *MUL-M Apr-Jun 99* 80-83
WebDAV collaborative authoring. *Sussman, D.*, *MUL-M Apr-Jun 99* 76-79

Hypermedia markup languages

Procedural Markup Language for multimedia presentations. *Ram, A.*, + , *MUL-M Apr-Jun 99* 40-52

I**Image coding; cf.** Video coding**Image matching**

Name-It face detect. and naming syst., news video anal. *Satoh, S.*, + , *MUL-M Jan-Mar 99* 22-35

Image morphing

virtual metamorphosis syst., computer graphics avatars. *Ohya, J.*, + , *MUL-M Apr-Jun 99* 29-39

Image processing; cf. Computer vision; Image morphing; Video signal processing**Image recognition; cf.** Face recognition; Image matching**Image retrieval**

inform. retrieval, semantics. *Colombo, C.*, + , *MUL-M Jul-Sep 99* 38-53

Information analysis; cf. Vocabulary**Information networks; cf.** Internet**Information resources**

Mediascape Web based media space. *Roussel, N.*, *MUL-M Apr-Jun 99* 64-74
Web-based GIS integrat. *Fang Ju Wang*, + , *MUL-M Jan-Mar 99* 49-61

WebDAV collaborative authoring. *Sussman, D.*, *MUL-M Apr-Jun 99* 76-79

Information science; cf. Vocabulary

Information services; cf. Information resources

Information systems; cf. Geographic information systems

Information technology

multimedia defn. and evol. origs. *Packer, R.*, *MUL-M Jan-Mar 99* 11-13

Integrated software

computer graphics and computer vision, technol. synthesis. *Rockwood, A.*, + , *MUL-M Jul-Sep 99* 8-11

Interactive systems; cf. Interactive television; Virtual reality

Interactive television

digital video, searchable TV, content filtering. *Dimitrova, N.*, *MUL-M Apr-Jun 99* 14-17

Interactive video; cf. Video on demand

Internet

book review; NetSci-Fi (Wolff, M., Ed.; 1997). *Gougher, R.A.*, *MUL-M Jan-Mar 99* 92-93

book review; NetStudy (Wolff, M., Ed.; 1997). *Gougher, R.A.*, *MUL-M Jan-Mar 99* 92-93

commun. design and video-on-demand servers. *Shin, K.*, + , *MUL-M Apr-Jun 99* 84-90

JavuNetwork, rem. video prod. and storage appl. *Kamara, S.*, *MUL-M Jul-Sep 99* 78-80

Mediascape Web based media space. *Roussel, N.*, *MUL-M Apr-Jun 99* 64-74

multimedia broadcasting over the Internet, video compression. *Furht, B.*, + , *MUL-M Jan-Mar 99* 85-89

NEAT project, rem. advisory services for students. *Ratcliffe, M.*, + , *MUL-M Jan-Mar 99* 36-48

Virtual Hypermedia Factory, cultural heritage appl. *di Napoli, C.*, + , *MUL-M Apr-Jun 99* 80-83

Web-based GIS integrat. *Fang Ju Wang*, + , *MUL-M Jan-Mar 99* 49-61

WebDAV collaborative authoring. *Sussman, D.*, *MUL-M Apr-Jun 99* 76-79

ISO standards

MPEG-7 std. for multimedia based audio-visual inform. *Nack, F.*, + , *MUL-M Jul-Sep 99* 65-77

J

Java

CD review; The JavaScript CD Cookbook, 2/e (Sadun, E., and Monroe, J.B.; 1997). *Teeter, B.R.*, *MUL-M Jan-Mar 99* 90

JavuNetwork, rem. video prod. and storage appl. *Kamara, S.*, *MUL-M Jul-Sep 99* 78-80

Web-based GIS integrat. *Fang Ju Wang*, + , *MUL-M Jan-Mar 99* 49-61

L

Linguistics

multimedia storytelling and social aspects. *Davenport, G.*, *MUL-M Jan-Mar 99* 5-9

M

Microcomputers

book review; Reviewing Graphics Programming Black Book Special Edition (Abrash, M.; 1997). *Gougher, R.A.*, *MUL-M Jul-Sep 99* 93

Mobile communication

book review; Mobile Multimedia Communications (Goodman, D.J., and Raychaudhuri, D.; 1997). *Strnadl, C.F.*, *MUL-M Jan-Mar 99* 90-92

UMTS archit. integrating terrestrial and satellite systs. *Dip, F.D.P.*, *MUL-M Oct-Dec 99* x10-xx

Mobile communication; cf. Aircraft communication; Mobile radio

Mobile radio

GPS receiver implement. in consumer mobile electronics products. *Lee, J.*, *MUL-M Oct-Dec 99* x3-xx

Mobile satellite communication

multimedia via Inmarsat. *Franchi, A.*, + , *MUL-M Oct-Dec 99* x8-xx

UMTS archit. integrating terrestrial and satellite systs. *Dip, F.D.P.*, *MUL-M Oct-Dec 99* x10-xx

using satellite communs. to ensure global mobility and multimedia capability. *Luglio, M.*, *MUL-M Oct-Dec 99* x7-xx

Multimedia communication

aeronautical channel meas. and multimedia service demons. at K/Ka band. *Holzbock, M.*, + , *MUL-M Oct-Dec 99* x6-xx

book review; Mobile Multimedia Communications (Goodman, D.J., and Raychaudhuri, D.; 1997). *Strnadl, C.F.*, *MUL-M Jan-Mar 99* 90-92

broadcasting over the Internet, video compression. *Furht, B.*, + , *MUL-M Jan-Mar 99* 85-89

everything you wanted to know about MPEG-7, part 2. *Nack, F.*, + , *MUL-M Oct-Dec 99* x2-xx

GPS receiver implement. in consumer mobile electronics products. *Lee, J.*, *MUL-M Oct-Dec 99* x3-xx

JavuNetwork, rem. video prod. and storage appl. *Kamara, S.*, *MUL-M Jul-Sep 99* 78-80

MPEG-4, third millennium multimedia standard. *Battista, S.*, + , *MUL-M Oct-Dec 99* x1-xx

multimedia via Inmarsat. *Franchi, A.*, + , *MUL-M Oct-Dec 99* x8-xx

quality of service provisioning to multimedia appls. in satellite systs. *Iera, A.*, + , *MUL-M Oct-Dec 99* x5-xx

regenerative payload for satellite multimedia communs. *Marinelli, M.*, + , *MUL-M Oct-Dec 99* x4-xx

using satellite communs. to ensure global mobility and multimedia capability. *Luglio, M.*, *MUL-M Oct-Dec 99* x7-xx

Multimedia computing

art and multimedia. *Brew, K.*, *MUL-M Apr-Jun 99* 9-12

scenario spec. and authoring methodology. *Vazirgiannis, M.*, + , *MUL-M Jul-Sep 99* 24-37

storytelling and social aspects. *Davenport, G.*, *MUL-M Jan-Mar 99* 5-9

Multimedia servers

commun. design and video-on-demand servers. *Shin, K.*, + , *MUL-M Apr-Jun 99* 84-90

Multimedia systems

Cabin, integrat. live video for immersive environ. *Hirose, M.*, + , *MUL-M Jul-Sep 99* 14-22

configurable multimedia middleware platform. *Coulson, G.*, *MUL-M Jan-Mar 99* 62-76

defn. and evol. origs. *Packer, R.*, *MUL-M Jan-Mar 99* 11-13

DVD-Video, multimedia opt. disk storage technol. *Taylor, J.*, *MUL-M Jul-Sep 99* 86-92

FreeWalk 3D virtual space for casual meetings. *Nakanishi, H.*, + , *MUL-M Apr-Jun 99* 20-28

Mediascape Web based media space. *Roussel, N.*, *MUL-M Apr-Jun 99* 64-74

media spaces (special issue). *MUL-M Apr-Jun 99* 18-74

media spaces, special issue intro. *Singh, G.*, *MUL-M Apr-Jun 99* 18-19

MPEG-7 std. for multimedia based audio-visual inform. *Nack, F.*, + , *MUL-M Jul-Sep 99* 65-77

NEAT project, rem. advisory services for students. *Ratcliffe, M.*, + , *MUL-M Jan-Mar 99* 36-48

Procedural Markup Language for multimedia presentations. *Ram, A.*, + , *MUL-M Apr-Jun 99* 40-52

virtual metamorphosis syst., computer graphics avatars. *Ohya, J.*, + , *MUL-M Apr-Jun 99* 29-39

Multimedia systems; cf. Hypermedia; Multimedia communication;

Multimedia computing

Music

rehearsals, distributed environ. *Konstantas, D.*, + , *MUL-M Jul-Sep 99* 54-64

N

Networks (circuits); cf. Telecommunication networks

Network servers; cf. Multimedia servers; Video servers

O

Object-oriented languages; cf. Java

Office automation

FreeWalk 3D virtual space for casual meetings. *Nakanishi, H.*, + , *MUL-M Apr-Jun 99* 20-28

Optical disk storage

DVD-Video, multimedia opt. disk storage technol. *Taylor, J.*, *MUL-M Jul-Sep 99* 86-92

P

Packet switching

commun. design and video-on-demand servers. *Shin, K.*, + , *MUL-M Apr-Jun 99* 84-90

Page description languages; cf. Hypermedia markup languages

Pattern matching; cf. Image matching

Pattern recognition; cf. Computer vision; Feature extraction

Performance evaluation; cf. Software performance evaluation

Programming

book review; Reviewing Graphics Programming Black Book Special Edition (Abrash, M.; 1997). *Gougher, R.A.*, *MUL-M Jul-Sep 99* 93

Protocols; cf. Transport protocols

Public domain software

NEAT project, rem. advisory services for students. *Ratcliffe, M., + , MUL-M Jan-Mar 99 36-48*

Q

Quality of service

commun. design and video-on-demand servers. *Shin, K., + , MUL-M Apr-Jun 99 84-90*

quality of service provisioning to multimedia appls. in satellite systs. *Iera, A., + , MUL-M Oct-Dec 99 x5-xx*

Query processing; cf. Image retrieval

R

Radio equipment

regenerative payload for satellite multimedia communs. *Marinelli, M., + , MUL-M Oct-Dec 99 x4-xx*

Radio receivers

GPS receiver implement. in consumer mobile electronics products. *Lee, J., MUL-M Oct-Dec 99 x3-xx*

Read-only storage

DVD defn. and hist. *Parker, D.J., MUL-M Jan-Mar 99 80-84*

Real-time systems

commun. design and video-on-demand servers. *Shin, K., + , MUL-M Apr-Jun 99 84-90*

virtual metamorphosis syst., computer graphics avatars. *Ohya, J., + , MUL-M Apr-Jun 99 29-39*

Receivers; cf. Radio receivers

Resource management

EurySkyWay satellite networks. *Blefari-Melazzi, N., + , MUL-M Oct-Dec 99 x9-xx*

Reviews; cf. Book reviews

S

Satellite communication

aeronautical channel meas. and multimedia service demons. at K/Ka band. *Holzbock, M., + , MUL-M Oct-Dec 99 x6-xx*

EurySkyWay satellite networks resource management. *Blefari-Melazzi, N., + , MUL-M Oct-Dec 99 x9-xx*

quality of service provisioning to multimedia appls. in satellite systs. *Iera, A., + , MUL-M Oct-Dec 99 x5-xx*

regenerative payload for satellite multimedia communs. *Marinelli, M., + , MUL-M Oct-Dec 99 x4-xx*

Satellite communication; cf. Mobile satellite communication

Satellite navigation; cf. Global Positioning System

Security of data; cf. Computer viruses

Service industries; cf. Travel industry

Signal processing; cf. Data compression; Video signal processing

Social aspects of automation

multimedia storytelling and social aspects. *Davenport, G., MUL-M Jan-Mar 99 5-9*

Software engineering; cf. Formal specification; Formal verification; Software performance evaluation

Software packages

JavuNetwork, rem. video prod. and storage appl. *Kamara, S., MUL-M Jul-Sep 99 78-80*

Virus Encyclopedia. *Ashmanov, I., + , MUL-M Jul-Sep 99 81-84*

Software performance evaluation

configurable multimedia middleware platform. *Coulson, G., MUL-M Jan-Mar 99 62-76*

Software tools; cf. Authoring systems

Special issues and sections

media spaces (special issue). *MUL-M Apr-Jun 99 18-74*

media spaces, special issue intro. *Singh, G., MUL-M Apr-Jun 99 18-19*

Standards

DVD-Video, multimedia opt. disk storage technol. *Taylor, J., MUL-M Jul-Sep 99 86-92*

MPEG-7 std. for multimedia based audio-visual inform. *Nack, F., + , MUL-M Jul-Sep 99 65-77*

Standards; cf. ISO standards

Systems analysis; cf. Task analysis; User centered design

Systems software; cf. Utility programs

T

Task analysis

book review; User and Task Analysis for Interface Design" (Hackos, J.T., and Redish, J.C.; 1998). *Teeter, B.M., MUL-M Jul-Sep 99 94*

Technological forecasting

computer graphics and computer vision, technol. synthesis. *Rockwood, A., + , MUL-M Jul-Sep 99 8-11*

Telecommunication; cf. Mobile communication; Multimedia communication; Satellite communication; Telecommunication channels; Telecommunication networks; Telecommunication services; Visual communication

Telecommunication channels

aeronautical channel meas. and multimedia service demons. at K/Ka band. *Holzbock, M., + , MUL-M Oct-Dec 99 x6-xx*

Telecommunication equipment; cf. Radio equipment; Video equipment

Telecommunication networks

UMTS archit. integrating terrestrial and satellite systs. *Dip, F.D.P., MUL-M Oct-Dec 99 x10-xx*

Telecommunication networks; cf. Broadband networks

Telecommunication services

aeronautical channel meas. and multimedia service demons. at K/Ka band. *Holzbock, M., + , MUL-M Oct-Dec 99 x6-xx*

Telecommunication services; cf. Quality of service; Teleconferencing

Telecommunication traffic

quality of service provisioning to multimedia appls. in satellite systs. *Iera, A., + , MUL-M Oct-Dec 99 x5-xx*

Teleconferencing

FreeWalk 3D virtual space for casual meetings. *Nakanishi, H., + , MUL-M Apr-Jun 99 20-28*

music rehearsals, distributed environ. *Konstantas, D., + , MUL-M Jul-Sep 99 54-64*

Television; cf. Digital television; Interactive television

Television equipment; cf. Video disks

Time division multiplexing; cf. Packet switching

Time-sharing systems

video-on-demand solns. *Krishnan, R., MUL-M Jan-Mar 99 77-79*

Transport protocols

WebDAV collaborative authoring. *Sussman, D., MUL-M Apr-Jun 99 76-79*

Travel industry

Virtual Hypermedia Factory, cultural heritage appl. *di Napoli, C., + , MUL-M Apr-Jun 99 80-83*

U

User centered design

book review; User and Task Analysis for Interface Design" (Hackos, J.T., and Redish, J.C.; 1998). *Teeter, B.M., MUL-M Jul-Sep 99 94*

User interfaces

FreeWalk 3D virtual space for casual meetings. *Nakanishi, H., + , MUL-M Apr-Jun 99 20-28*

multimedia defn. and evol. origs. *Packer, R., MUL-M Jan-Mar 99 11-13*

StarWalker multiuser virtual environ. *Chen, C., + , MUL-M Apr-Jun 99 54-63*

User interfaces; cf. Graphical user interfaces

Utility programs

Virus Encyclopedia. *Ashmanov, I., + , MUL-M Jul-Sep 99 81-84*

V

Video coding

MPEG-7 std. for multimedia based audio-visual inform. *Nack, F., + , MUL-M Jul-Sep 99 65-77*

multimedia broadcasting over the Internet, video compression. *Furht, B., + , MUL-M Jan-Mar 99 85-89*

Video databases

digital video, searchable TV, content filtering. *Dimitrova, N., MUL-M Apr-Jun 99 14-17*

Video disks

DVD defn. and hist. *Parker, D.J., MUL-M Jan-Mar 99 80-84*

DVD-Video, multimedia opt. disk storage technol. *Taylor, J., MUL-M Jul-Sep 99 86-92*

Video equipment

Cabin, integrat. live video for immersive environ. *Hirose, M.*, + , *MUL-M Jul-Sep 99* 14-22

Video equipment; cf. Video servers**Video on demand**

commun. design and video-on-demand servers. *Shin, K.*, + , *MUL-M Apr-Jun 99* 84-90

digital video, searchable TV, content filtering. *Dimitrova, N.*, *MUL-M Apr-Jun 99* 14-17

video-on-demand solns. *Krishnan, R.*, *MUL-M Jan-Mar 99* 77-79

Video servers

commun. design and video-on-demand servers. *Shin, K.*, + , *MUL-M Apr-Jun 99* 84-90

Mediascape Web based media space. *Roussel, N.*, *MUL-M Apr-Jun 99* 64-74

Video signal processing

JavuNetwork, rem. video prod. and storage appl. *Kamara, S.*, *MUL-M Jul-Sep 99* 78-80

Name-It face detect. and naming syst., news video anal. *Sato, S.*, + , *MUL-M Jan-Mar 99* 22-35

Video signal processing; cf. Video coding**Virtual reality**

Cabin, integrat. live video for immersive environ. *Hirose, M.*, + , *MUL-M Jul-Sep 99* 14-22

FreeWalk 3D virtual space for casual meetings. *Nakanishi, H.*, + , *MUL-M Apr-Jun 99* 20-28

music rehearsals, distributed environ. *Konstantas, D.*, + , *MUL-M Jul-Sep 99* 54-64

StarWalker multiuser virtual environ. *Chen, C.*, + , *MUL-M Apr-Jun 99* 54-63

Virtual reality; cf. Augmented reality**Vision; cf.** Visual perception**Visual communication**

Mediascape Web based media space. *Roussel, N.*, *MUL-M Apr-Jun 99* 64-74

Visual databases

inform. retrieval, semantics. *Colombo, C.*, + , *MUL-M Jul-Sep 99* 38-53

Visual databases; cf. Video databases**Visual perception**

inform. retrieval, semantics. *Colombo, C.*, + , *MUL-M Jul-Sep 99* 38-53

Vocabulary

inform. retrieval, semantics. *Colombo, C.*, + , *MUL-M Jul-Sep 99* 38-53