

***M.S. Projects advised by Professor Carl K. Chang at The University of Illinois at Chicago***

1. Wen-Chen Wang, "Human Factors Study of Language Based Editors", Dec. 1985. [Bell Labs]
2. Thuy Mai, "A Program Model for Incremental Programming in C", March 1986. [Bell Labs]
3. Jing-Hao Xu, "MC68000 Disassembler", June 1986. [Motorola]
4. Tsomei Wu, "A Cluster Model for Concurrency Control in Locking Implementation Using Petri Nets", Jan. 1987. [Bell Labs]
5. Min Kyung Koh, "Implementation and Analysis of Petri Nets", March 1987.
6. Gautam Patwari, "A Bibliographic Database Management System", April 1987.
7. K. Richard Chang, "UICPBX - Feature Design and Implementation: Call Forward and Transfer", Oct. 1987. [Computer Science Corp]
8. John Chen, "UICPBX - Feature Design and Implementation: Outgoing Call", Oct. 1987. [Bell Labs]
9. Li Tan, "A Performances Study on Files in a Network-Wide System", Oct. 1987. [Acer]
10. Chih-Yuan Wang, "Scheduling of Deterministic Processes for Real-Time Data Acquisition System", Dec. 1987.
11. Jean Han, "UICPBX - Feature Design and Implementation: Automatic Call Back and Intra-Office Call", Feb. 1988.
12. Nora Kwok, "A Distributed System Simulation", March 1988. [Bell Labs]
13. Norman Ho, "The Implementation and Improvement of the EMPNDL Translator", Aug. 1988. [Fermi Lab]
14. Lai-Fai Wong, "The Design and Implementation of the UICPBX Testbed", Aug. 1988. [Performance Awareness]
15. Mrinalini Natarajan, "Specification and Verification of Two UICPBX Features Modeled in Stochastic Petri Net", Jan. 1989. [Bell Labs]
16. Futang Wang, "The Design and Implementation of Concurrency Set Slicer", Feb. 1989. [Bell Labs]
17. Peggy Kepuraitis, "Applying EMPNDL to the Motorola Trunked Communication System", Feb. 1989. [Motorola]
18. Steve Shaw, "Functional Testing via Program Slicing", Feb. 1989. [Bell Labs]
19. Chanh D. Pham, "Transformation of Petri Nets to Communicating Finite State Machine", March 1989. [Bell Labs]
20. Ik-Ho Maeng, "Object-oriented Development of Distributed Systems: The PROTOTYPING Approach for UICPBX Modeling Based on PROT Nets", March 1989. [DEC Korea]
21. Jeong Ok Lee, "The Best Strategy Selection in Distributed Resource Access: The Simulation Through the First-order Markov Chain Model", March 1989.
22. Arun Prasad, "An Approach to Complexity Metrics for Real-time Distributed Systems at Specification Level", June 1989. [Bell Labs]
23. James C. Tykal, "Insuring Software Quality: The Application of Efficient Testing Criteria", June 1989. [Motorola]

24. Lei Wang, "The Implementation and Improvement of the DISCOL Translator", June 1989.
25. Wen-Ching Ho, "Modeling of Software Configuration Management in Petri Net", Dec 1989.
26. Mohamed A. Khuddus, "Software Economics for Software Factory", Dec 1989.
27. Hsiao-sui Lu, "Automatic Translation from SDL to DISCOL", March 1990. [Bell Labs]
28. Mark V. Criscione, "Software Reliability Measurement", May 1990. [Bell Labs]
29. Gary MaKee, "Computer Aided Processing", Aug. 1990. [Motorola]
30. Exposito Pedro, "Telecommunications Infrastructure Project", June 1990. [Motorola]
31. Alan Yip, "Graphical Software Engineering: A Design and Implementation of DISCOL/GR", Aug. 1990.
32. Zhaoying Lin, "Graphical Software Engineering: A User Interface Implementation of DISCOL/GR", Aug. 1990.
33. John Murphy, "An Object-Oriented Paradigm for Practical Life-Cycle Coverage within a Distributed Environment", Aug. 1990.
34. Gene Chan, "UICCELL: Specification for a Cellular Phone Simulator", Nov. 1990. [Motorola]
35. Paul Arnone, "The Communications Protocol Analyzer - a.k.a. CoPA - Part I", Nov. 1990. [Motorola]
36. Tim Sherburne, "The Communications Protocol Analyzer - a.k.a. CoPA - Part II", Nov. 1990. [Motorola]
37. Leon Yang, "Transformation of DFD/CFDs Into Petri Nets: A New Approach to the Automation of Structured Analysis", Dec. 1990. [Unisys]
38. Rong-Fa Wang, "Distributed Software Testing with Specification", March 1991. [Computer Science Corp]
39. Xumiao Cai, "An Object-Oriented Design of the User Interfaces for the UICCELL", March 1991.
40. Hillel Meyers, "Cellular Call Processing Including Real Time Constraints", Apr. 1991. [Motorola]
41. Richard Wilson, "Current Trends in Software Specification Languages in the US and Japan", May 1991. [Northrop Grumman]
42. Keane Tom, "The Object Oriented Design and Implementation of UICCELL - Mobile Switching Center", May 1991. [Motorola]
43. Jing Loutris, "The Object Oriented Design and Implementation of UICCELL - Base Station", May 1991.
44. Wan-Ling Huang, "The Object Oriented Design and Implementation of UICCELL - Mobile", May 1991.
45. Ren-Hang Zhang, "The SDL Specification of UICCELL", May 1991.
46. Patrick Caraher, "Object-Oriented Design with Mechanisms", Nov. 1991. [Argonne National Lab]
47. Qingyang Sun, "IPC and GUI Designs of UICCELL", Nov. 1991.

48. Ann Johlie, "A Methodology for Re-Engineering Relational Databases into Object-Oriented Databases", March 1992. [Motorola]
49. Jing Wang, "Design and Implementation of G2PBX-Part I", March 1992.
50. Erling Bjerga, "Creation of Assembly Code Unit Test Modules", March 1992. [Motorola]
51. Lina Attar, "IEEE Software Manuscript Tracking System", March 1992.
52. Le-Shan Yu, "Design and Implementation of G2PBX-Part II", Aug. 1992.
53. Ma'n Zahi Altaher, "A Modeling Tool for Hard Real-Time Distributed Systems Using Time Petri Net", 1992. [College of Engineering, UIC]
54. Kwei-Liang Chin, "The Implementation and Improvement of the Petri-Net-To-GreatSPN Translator", Oct. 1992.
55. Weigang Xu, "The Design and Implementation of C++ Browser", March 1993.
56. Lin Zhang, "The Implementation and Performance Analysis of the IBGF Data Structure", March 1993.
57. Rangarao Ragavendron, "Comparative Study of Mechanisms and Framework Approaches to Software Reuse", March 1993.
58. Mahan K. Ramanujam, "A Study on Software Reusability", March 1993.
59. Humam H. Abuamara, "Inheritance Through Abstract Classes for the UICCELL", June 1993. [Motorola]
60. Kit-Hoi Choy, "The High-Level Design of UIC Service Creation System for Intelligent Network", Aug. 1993.
61. Kurt Paquin, "An Object-Oriented Approach to Surface Mount Technology Manufacturability Assessment", Sept. 1993. [Motorola]
62. Sue E. Schroeder, "A Survey and Comparison of Object-Oriented Techniques", Oct. 1993. [Motorola]
63. Mohan Venkataraman, "CLOS & C++ - A Comparison Study", Oct. 1993.
64. Qing Liu, "The GUI Design and Implementation of an Intelligent Software Project Management Tool", Oct. 1993.
65. Yan Rong, "The First Step Towards the Development of Display Monitor for UICCELL", Oct. 1993. [Motorola]
66. R. Vinodhni Nachiar, "Extraction of Planar Subgraphs for Layout of DISCOL/GR Diagrams", April 1994.
67. Mohit Mutreja, "Intelligent Software Project Management Tool", May 1994.
68. Christina Chiu, "UICPBX II Design and Implementation", June 1994.
69. Ping Yu, "An Object-Oriented Redesign of UICCELL GUI with Motif", July 1994.
70. Minghua Bao, "UICPBX II Design and Implementation", July 1994. [Tellabs]
71. Magesh Varadharajan, "Object Oriented Development of Distributed GUI for UICCELL II", Nov. 1994.
72. Chi-Feng Hsiao, "Design and Implementation of MTU of UICCELL II", Nov. 1994.
73. Jim Bugwadia, "Design and Implementation of UICCELL II", Nov. 1994. [Motorola]
74. Bashir Haswarey, "Design and Implementation of IPC of UICCELL II", Nov. 1994. [Motorola]

75. Syed Hussaini, ``Design and Implementation of MSC of UICCELL II'', Nov. 1994. [Motorola]
76. Habib Madani, ``Design and Implementation of Control GUI of UICCELL II'', Nov. 1994. [Motorola]
77. Peter Chin, ``System Requirements Analysis of UIC Service Creation System for Intelligent Network'', Nov. 1994. [Bell Labs]
78. Sung T. Ng, ``Design and Implementation of XDiscol: a DISCOL Graphical Editor'', July 1995.
79. Robert Z. Rzepiela, ``Serial Driver for UICPBX II and UICPBX III Design and Implementation'', July 1995. [Motorola]
80. Jagdeep Chhabra, ``UICPBX III Design and Implementation'', July 1995.
81. Marc Valdivia, ``Overview of ISDN'', Dec. 1995. [Motorola]
82. Pattanasak Mongkolwat, ``UICCELL II: Development Methodology and Requirement Specifications'', Oct. 1995. [Northwestern Univ.]
83. Jianbin Ho, ``ISDN and LAN Integration'', Dec. 1995. [Bell Labs]
84. Ashish K. Sheth, ``Design & Development of WWW Home Page for ICSE'', Jan. 1996.
85. Qing Chang, ``The Challenges of Intelligent Agents'', March 1996.
86. E. S. Christine Lee, "User Interface Development", March 1996. [Motorola]
87. Mohammed Hasan Ali, "UICPBX Web Site - Design and Implementation", May 1996.
88. Deepika Goyal, "Conference World", July 1996. [Motorola]
89. Savitha Sathyan, "Conference World", July 1996. [Motorola]
90. Preeti Gupta, "Usability Manual and Design Document", July 1996.
91. Kalpeshkumar R. Patel, "The Netwiz - GUI Based Network Management System Using Java", Dec. 1996.
92. Debbie Donnahoe, "Measuring the Effect of the SEI Capability Maturity Model on a Product's Software Quality", April 1997. [Motorola]
93. Chaithanya Veeranagari, "OOSMS – Realization of Object-Oriented Software Metric System", April 1997.
94. Susanna Hirsch, "IC: Computation of the Interconnection Complexity Between Objects", April 1997.
95. Radhika Arekapudi, "Interconnection Testability of Object – Oriented Systems", April 1997.
96. Fenghua Chen, ``Object-oriented Multimedia Data Bases'', May 1997. [Sybase]
97. Zhichun Sun, ``Architecture and Requirements of M-Net'', May 1997. [Motorola]
98. Gong Zhong, ``Design and Implementation of M-Net'', May 1997. [Abbott Labs]
99. Soham Shah, ``Animated Conference Table for M-Net'', May 1997.
100. Yang Li, ``Meeting Net Version 2.0'', July 1997. [Motorola]
101. Prashant Gosavi, ``Moving Objects Database'', July 1997.
102. Hui Zhao, ``Meeting Net On ATM Network'', July 1997.
103. Jay W. Jung, ``Java Ftp'', July 1997. [Lucent Technologies]
104. Ailian Bi, ``Shared Working Space: Whiteboard for M-Net 1.0'', July 1997.

105. Aravind Srinivasan, ``Mailman: Web Based E-mail System'', July 1997.
106. Vinod Kutty, ``Jacacs: A Terminal Access Controller Access Control System [ TACACS ] in Java'', November 1997.
107. Jian Lin, ``NetPaint - A Meeting Tool For Meeting Net 2.0'', November 1997.
108. Arshad Syed, ``Computer Controlled Switch, CTI - Application Development'', November 1997.
109. Lei Qian, ``A Web Conference Tool - Meeting Net 2.0'', November 1997. [Bell Labs]
110. Snehit Mathew Cherian, ``A Framework of Comparison for Design Methodologies'', November 1997.
111. Ratnakar Kota, ``Product Requirements Specification of Meeting Net 2.0'', November 1997. [Motorola]
112. Salem Djaffar [information to be provided]
  
113. Prameela R. Patchigolla, ``Ayumi Tree: Software Quality Assurance Visualization Tool'', November 1997. [Motorola]
114. Kai Quyang, ``M-Net 2.0 A Multimedia Conference System'', November 1997.
115. Hongmei Ran, ``Robert's Rules of Order in M-Net 1.5'', November 1997. [Motorola]
116. David Noftz, ``A Personal Software Metrics Database System'', November 1997. [Motorola]
117. Sasidevi Buchupalli, ``Recommendations On The Fullvision Integrated Network Manager'', May 1998. [Motorola]
118. Qing Liu, ``Bibliography Database Management'', May 1998.
119. Srinivas S. Kalale, ``E-Mosaic' An Enhanced Mosaic WWW Browser'', May 1998.
120. Boppana Malini, ``Cause and Effect Analysis Using Fishbone'', May 1998.
121. Radha Sundaram, ``Floor Control Manager for M-Net 3.0'', May 1998. [Motorola]
122. Shabina Mirajkar, ``Bibliographic Database Management System'', May 1998.
123. Jeetendra G. Deshmukh, ``M-Net 2.0 'CORBA-nized' An Architectural Analysis of M-Net 2.0 , CORBA, and the Application of CORBA to M-Net 2.0'', May 1998. [Motorola]
124. Yanzhong Liang, ``WhiteBoard 3.0 Specification of Meeting Net 3.0'', December 1998. [United Airlines]
125. Sanjay D. Patel, `` Resource Allocation And Project Scheduling In Software Project Management Net Based On Genetic Algorithm'', December 1998. [Motorola]
126. Lucian Dima, `` Focus + Context WWW Document Viewing Using a Time and Subject Proximity Model – Design and Implementation'', December 1998. [Motorola]
127. Yong Tae Park, `` RRO++ : CORBA Client Design and Implementation'', December 1998.
128. Robert A. Boyer, `` M-Net 3.0 'CORBA' – A Java-Based CORBA Compliant Internet Meeting System'', December 1998. [US National Security Agency]

129. Min Zhou, " Meeting Scheduler in M-Net 3.0 Network Conference System", December 1998.
130. Pratibha Srinivasan, " M-Net 3.0 – A CORBA Compliant Conferencing System", December 1998.
131. Ramesh Patchipulusu, "Meeting Scheduler in M-Net 3.0 - CORBA Compliant Conferencing System", February 1999.
132. Bimal K. Patel, "Java API to ObjectStore ODBMS for M-Net 3.0 – CORBA Compliant Meeting System", February 1999.
133. Sunita Bhatti, "M-Net 3.0 – A Multimedia Conference System: Design and Implementation of the Client and Server using CORBA Architecture", February 1999.
134. Huihai Yao, "CTI Enhancement to M-Net Light 3.0", May 1999.
135. Xiaoxiao Zhang, "M-Net Light 3.0 Server for Multimedia Conferencing", May 1999.
136. Wenhua Wang, "Design and Implementation of a Distributed Application", May 1999. [Lucent Technologies]
137. Joseph Prithvi Raj, "An Online Learning Architecture Ordering System", May 1999. [Oracle]
138. Zhongjian Zhang, "E-Mosaic: An Enhanced Mosaic WWW Browser Design, Implementation & User Manual", May 1999.
139. Rong Qian, "Meeting Net Real 1.0 Server Design and Implementation", May 1999.
140. Francis Davis, "SPI Port Tester", May 1999. [Motorola]
141. Sonia Sarkar, "Implementation of a CORBA Compliant Floor Control Manager Using Robert's Rules of Order", May 1999. [Motorola]
142. Bimal K. Patel, "Java API to ObjectStore ODBMS for M-Net 3.0 – CORBA Compliant Meeting System", May 1999.
143. Qing Chen, "Database Server Design and Implementation for M-Net Real 1.0 System", May 1999.
144. Bin Liu, "Virtual Table in Meeting Net: A Web-based Multimedia Virtual Conferencing System", May 1999.
145. Ramesh Patchipulusu, "Meeting Scheduler: in M-Net 3.0 CORBA Compliant Conferencing System", May 1999.
146. Pu Wang, "Web Design and Implementation for International Center for Software Engineering", May 1999. [United Airlines]
147. Sanjay D. Patel, "Resource Allocation and Project Scheduling in Software Project Management Net Based on Genetic Algorithm", May 1999. [Motorola]

148. Riaz Ahamed Sherfuddin, "Layered WhiteBoard for M-Net 3.0 (CORBA)", June 1999.
149. Jing Ran, "Mobile Intelligent Agents Meeting Interconnection", July 1999. [Motorola]
150. Zhijun Zhu, "Meeting Scheduler for Meeting Net", July 1999. [Motorola]
151. Carl Schumann, "Object-oriented SWIC Data Acquisition", July 1999. [Fermi Lab]
152. Amy Liu, "Design and Implementation of Central Client GUI for M-Net", July 1999. [Lucent Technologies]
153. Li Xiao, "Web Applications for ICSE", July 1999.
154. Youne-Sang Lee, "M-Net Light 3.0 Client Graphical User Interface Enhancement", July 1999.
155. Sai Lan, "Design and Implementation of Central GUI and Static Simulation for M-Net System", December 1999. [Motorola]
156. Zhenggang Wei, "Cascade: Curricula and Scheduler Computer Aided Development Environment – PART I", December 1999. [ThoughtWorks]
157. Anand Raman, "Cascade: Curricula and Scheduler Computer Aided Development Environment – PART II", December 1999.
158. Lan Jiang, "M-Net Real 1.1 – A More Reliable and Robust Server", December 1999.
159. Junyi Jin, "System Design and Implementation of Open Computing Curricular Repository (OCCUR)", December 1999. [marchFIRST]
160. Yan Zhao, "Computer Telephony Integration in M-Net System", December 1999. [Motorola]
161. Qing Chen, "The Design for Slide Show in Meeting-Net Meeting Net Real 1.0", December 1999.
162. Sarabjit Datt, "Electronic form for M-Net 3.0 (CORBA)", December 1999.
163. Sriram Balachandran, "Web Based Enhanced Search and Rating Method for IT Training Courses", December 1999.
164. Marek Stasielak, "The Methodology of the Enhancement of an Object Structure Definition with Functional Modeling in the OO Approach", December 1999. [student from Krakow, Poland; joint MS program with EECS]
165. Sudharsanam Krishnakumar, "Visualization of SPMNet using Microsoft Project", January 2000. [Motorola]
166. Sriram Balachandran, "Web Based Enhanced Search and Rating Method for IT Training Courses", January 2000.
167. Guangbin Ma, "Open Computing Curricula Repository", April 2000. [Motorola]

168. Ai Lun Lee, "Conference Online Registration", April 2000.
169. Rajan Rajendran, "An Enhanced Meeting Scheduler for M-Net 3.0 (CORBA)", April 2000. [Netscape]
170. Jeffrey Knopp, "M-Net Voice over IP (VOIP) Architecture", April 2000. [Lucent Technologies]
171. Xin Liu, "M-Net Voice over IP (VoIP) Implementation", April 2000. [Lucent Technologies]
172. Xiaodong Wu, "Extension Work of Measuring the Intensity of Object Coupling", April 2000. [Motorola]
173. Ning Xu, "System Redesign and Implementation of ICSE Web Site", April 2000. [Lucent Technologies]
174. Man Wang, "Two-way Connectivity between PM-Net and Microsoft Project", April 2000. [Motorola]
175. Jyoti Koppad, "Floor Control for the Meeting Net System", April 2000. [Motorola]
176. Ramapriya Raman, "Design and Implementation of Manuscript Management System", June 2000.
177. Man Li, "Design and Implementation of Floor Control in Meeting Net Real", August 2000. [Morning Star]
178. Muhammad Amir Haque, "Information Exchange Interface (IXI) for M-Net Server, A File Sharing Feature for Information Island", August 2000. [Intel]
179. Yi Dai, "Layered Whiteboard for M-Net 3.0 And Integration of M-Net 3.0 System", August 2000. [RTI Real Time Innovation]
180. Subathra Santhanam, "Layered Whiteboard for M-Net Real 3.0", August 2000. [Cisco]
181. Anuradha Gali, "Voice Mail for M-Net", August 2000. [Lucent Technologies]
182. Naresh Pamnani, "Computer Telephony Integration in M-Net System", August 2000. [Cisco]
183. Anitha Janakiraman, "DL-Net 1.0 Archiver", August 2000. [KPMG New York]
184. Archana Kylas, "DL-Net 1.0 Scheduler", August 2000. [Motorolo]
185. Parikshit Ambatkar, "DL-Net 1.0 Server Design and Implementation", August 2000. [Netscape]
186. Naveen K Yajaman, "Design and Development of Applications Enhanced DL-Net 1.0 System", August 2000. [Microsoft]
187. Sriram Chaturvedi, "DL-Net 2.0 Server Design and Administration Implementation", December 2000.

188. Nikhat Afza, "CUPID: Curricula Planning and Interactive Development System", August 2000. [Fujitsu]
189. Hui Zhang, "Open Computing Curricular Repository and National Central University Alumni Web Site", August 2000.
190. Tao Zhang, "Genetic Algorithms for Project Management", August 2000. [Motorola]
191. Scott Y. Chu, "M-Net Product Research Report", August 2000. [Lucent Technologies]
192. Tsung-Chieh Tsay, "Dynamic Software Debugging and Probing", August 2000.
193. Parthasarathy Rajagopalan, "Secured Data Submission Using Digital Signatures", December 2000. [Cisco]
194. Vaidyarathan Krishnamurthy, "Online Computer Support System (OCSS)", August 2000.
195. Damodaran Vasudevan, "Application Implementation Using CODL Formulation for a CSCW System", August 2000.
196. Ashok Janakiraman, "Web Based Training Course Using Java Servlets", December 2000.
197. Usha Maurya, "User Interface Design and Implementation for Project Management Network (PM-Net)", December 2000.
198. GuoLong Li, "PM-Net for Software Management and the Implementation of Relevant Scheduling Procedures", December 2000. [Motorola]
199. Michael E. Romie, "Java Application Modeler", December 2000. [Motorola]
200. Christian M. Hartley, "Modified Object Coupling Measurement Program", December 2000.
201. Tracy G. Li, "Function-Class Decomposition of GUI Design for SABRE Workbench," December 2000. [Lucent Technologies]
202. Xun Zhu, "System Design and Implementation of International Center for Software Engineering (ICSE) Web", December 2000.
203. Keiland C. Pullen, "On-Line Resource Library (OLREL)", May 2001, [Argonne National Lab]
204. Deepak Raj, "Scenario Management Tool", October 2001. [Motorola]
205. Xiaoquan Wen, "A New Centralized Mobile Agent System Framework", November 2001. [University of Chicago]
206. Jian Zhang, "Physically Separated Central and Application Servers for M-Net", May 2002. [Microsoft]

207. Brian E. Traub, "Revising M-Net System Client/Server Architecture using Java Serval Technology", May 2002. [Motorola]

208. Bo Liu, "CC2001 Toolkit 1.0 (I)", May 2002.

209. Jy-Feng Fang, "CC2001 Toolkis 1.0 (II)", May 2002.

210. Aasim Merchant, "CC2001 Toolkit 1.0 (III)", May 2002. [UIC]