

### *Postgraduate Research*

<i>Date Conferred</i>	<i>#</i>	<i>PG</i>	<i>Title</i>	<i>Degree</i>
29 July 1991	1	Lim F.S.	Development of a Microcomputer-controlled Multi-axis NC System	M.Eng.
3 Dec 1991	2	Tay E.H.	Technical and Economic Studies of FMS	M.Eng.
15 May 1992	3	Guan K.W.	Computer-aided Rotation Moulding of a Below-elbow Cosmetic Prosthesis	M.Eng.
13 April 1993	4	Yeo S.H.	An Integrated Knowledge-based Machining System for Rotationally Symmetric Parts	Ph.D.
29 Oct 1993	5	Chua M.S.	An Optimization Strategy for Single- and Multi-pass Turning Operations	M.Eng.
17 Dec 1993	6	Chai O.H.	Design and Development of a Multiprocessor-based CNC System	M.Eng.
20 Feb 1995	7	Wang Y.K.	Effect of Flushing Pressure on Electro-discharge Machining and Resultant Surface Characteristics	M.Eng.
3 July 1995	8	Yang J.D.	An Error Compensation Approach for Machining Operation in an FMS Environment	M.Eng.
25 July 1995	9	Teng C.S.	Optimal Curve Fitting for CNC Machining	M.Eng.
10 Feb 1996	10	Zhang S.J.	Fuzzy Feedback Control with Application to Force Control in Milling	M.Eng.
2 Mar 1996	11	Hu G.H.	A GSPN Approach for Modelling, Analysis and Scheduling of FMS	Ph.D.
22 Aug 1997	12	Hon X.G.	Characterization of Biarc Curves and Optimization of Biarc Curve Fitting	M.Eng.
8 Nov 1997	13	Bi L.L.	Tool Condition Monitoring for Turning by Acoustic Emission	M.Eng.
23 Dec 1997	14	Huang X.	A Study on Error Compensation for CNC Machine Tool	M.Eng.
23 Dec 1997	15	Zhang F.	Modelling and Scheduling of FMSs based on Object Oriented CTPN and Heuristics	M.Eng.
19 Jan 1998	16	Ning T.	Monitoring of Tool Wear in Milling using Cutting Force Sensing	M.Eng.
14 July 1998	17	Wang Y.F.	Off-line Planning and Simulation of an Intelligent Fixturing System for High-precision Machining	M.Eng.
16 Aug 1999	18	Lee S.M.	Distributed Control in Automation - A Network Approach	M.Eng.
20 Mar 2000	19	Zheng H.Q.	Theoretical Modelling and Simulation of Milling Forces	M.Eng.
16 Oct 2000	20	Feng Q.	Optimal Curve Fitting with Composite Linear and Biarc Segments	M.Eng.
16 Oct 2000	21	Yan W.	A Study on PC-based Tool Condition Monitoring System Design for Milling	M.Eng.
4 Nov 2000	22	Leu K.P.	A Framework of Monitoring and Control via the Internet	M.Eng.
4 Nov 2000	23	Xu F.	Integrated Decision Support for Part Fabrication with Rapid Prototyping & Manufacturing Systems	Ph.D.
12 Mar 2001	24	Lim Y.S.	Development and Investigation of Aerosil-mixed Stereolithography Process	M.Eng.
10 Apr 2001	25	Ramesh T.	Job Shop Scheduling with Multiple Job Routes using Fuzzy Logic	M.Eng.
13 July 2001	26	Lim M.W.	Matching of Unstructured Objects using Simulated Annealing	M.Eng.

13 July 2001	27	Li L.	EDM Performance of TiC/Copper-based Sintered Electrodes	M.Eng.
13 July 2001	28	Zhu T.S.	Cutter Path Generation for Free Form Surface on Open CNC	M.Eng.
24 Aug 2001	29	Liu G.H.	Segmentation of Cloud Data for Reverse Engineering and Direct Rapid Prototyping	M.Eng.
26 Oct 2001	30	Niu Y.M.	Information-Driven Tool Condition Monitoring Techniques	Ph.D.
18 Dec 2001	31	Xu X.	Development of an Online Tool Wear Monitoring System	M.Eng.
18 Dec 2001	32	Yuan Ning	Monitoring of Machining Process Stability in High Speed Ball-nose End Milling	M.Eng.
18 Dec 2001	33	Jia X.	Open Architecture Internet/Web Connectivity and Control for FMS	M.Eng.
22 Dec 2001	34	Cheng H.B.	Development of A Direct Metal Laser Sintering Control System	M.Eng.

<i>Status</i>	<i>#</i>	<i>PG</i>	<i>Title</i>	<i>Degree</i>
<i>Ongoing</i>	1	Huang ZH	Rapid Tooling	Ph.D.
<i>Ongoing</i>	2	Zhang Z	Tool Condition Monitoring	M.Eng.
<i>Ongoing</i>	3	Ning Yu	Rapid Prototyping	M.Eng.
<i>Ongoing</i>	4	M Mahesh	Web-based Rapid Prototyping Decision Support System	M.Eng.
<i>Ongoing</i>	6	Hu QY	Study of Rapid Tooling Materials	M.Eng.
<i>Ongoing</i>	7	Wu YF	Reverse Engineering	M.Eng.
<i>Ongoing</i>	8	Bok SH	Internet-based Computer-aided Design	Ph.D.
<i>Ongoing</i>	9	Fan J.H.	Mold Design and Manufacturing	Ph.D.
<i>Ongoing</i>	10	Du X.J.	Precision Engineering	M.Eng.
<i>Ongoing</i>	11	Geng Li	Rapid Product Development	M.Eng.
<i>Ongoing</i>	12	Wang Zhigang	High-speed Machining	M.Eng.
<i>Submitted</i>	15	Wang X.H.	Rapid Tooling Technology	M.Eng.
<i>Submitted</i>	16	Zhang C.	An Improved Iterative Closest Point Algorithm for Cloud Data Registration	M.Eng.
<i>Draft Submitted</i>	17	Liang X.H.	Computer Aided Tool Path Generation for 5-axis Machining of Free-form Surfaces	M.Eng.
<i>Draft Submitted</i>	18	Abdul Gani	High-speed Machining of Titanium Alloys	M.Eng.