

Research Personnel

(SUPERVISOR)

NAME	CAT	DEPT	TD	JD	RD	XF	MG	NMc	AP	JS	MT	CT	THESIS/PROJECT TOPIC	COMPL. DATE
N. Abedin	1	ChE										X	Polymer micronization with supercritical CO ₂	Sep 11
P. Akhlaghi	2	ChE									X		Cosmetic delivery systems using nanocrystalline cellulose	Apr 14
S. Al-Adwani	2	ChE								X			Modelling of catalytic converters	Dec 12
A. Al-Khazal	1	ChE								X			Crystallization elution fractionation of polyolefins	Sep 12
M. Al-Saleh	2	ChE	X							X			Parameter estimation of Ziegler-Natta catalysts using molecular weight and comonomer sequence distribution	Apr 11
A. Al-Shaiban	2	ChE								X			Effect of electron donors on propylene polymerization with Ziegler-Natta catalysts	Sep 12
A. Alghyamah	2	ChE								X			Mathematical modelling of polymerization with Ziegler-Natta catalysts	Sep 11
S. Aliakbari	2	Chem					X						Thermal interface materials	Aug 11
A. Alturk	1	Chem					X						Arborescent polybutadienes	Dec 11
Y. Alzahrany	1	Chem					X						Amphiphilic arborescent copolymers	May 12
Y. Amintowlieh	2	ChE							X			X	UV crosslinking of polyethylene	Sep 14
A. Araya	1	Chem		X									Characterization of a modified polyolefin used as oil-additive	Sep 11
T. Aridi	2	Chem					X						New grafting techniques	Dec 11
A.Y. Ashiri	4	ChE								X			Intraparticle mass transfer resistances in ethylene polymerization with heterogeneous Ziegler-Natta catalysts	Apr 11
H. Aslam	1	Chem		X									Chain dynamics of ruthenium-labeled polylysine probed by fluorescence	Sep 11
D. Bacinello	2	ChE									X		Development of block copolypeptide systems for drug delivery applications	Jun 12
Y. Behjat	1	ChE							X				Tensile properties of pipes (with M. Polak (Civ. Eng.))	May 10
M. Bin-Shams	2	ChE	X										Observability and economic aspects of fault detection and diagnosis using CUSUM-based multivariate statistics (with H. Budman, Chem. Eng., lecturer, University of Bahrain)	Aug 10
M. Bulsari	4	ChE							X			X	Polymer micronization/Ultrasonic properties of polymers	Dec 11
S. Chen	2	Chem		X									Characterization of solutions of pyrene end-labelled poly(ethylene oxide) by fluorescence and Rheology	Jun 12
Y. Choi	2	ChE								X			Synthesis of functional polyolefins	Sep 11

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TD=T.A. Duever JD=J. Duhamel RD=R. Dhib XF=X. Feng MG=M. Gauthier NMc=N. McManus AP=A. Penlidis
JS=J.B.P. Soares MT=M. Tam CT=C. Tzoganakis

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N. Chokputtana wuttilerd	4	ChE								X			Modeling of crystallization elution fractionation	Jan 12
N. Dhar	1	ChE									X		Vibrating sample magnetometer for the characterization of novel magnetic nanomaterials	Apr 10
J. Dockendorff	2	Chem					X						Metal-loaded micelles	May 11
D. Dorschner	1	ChE	X						X				Modelling multicomponent polymerization	Sep 10
J. Du	4	ChE				X							Aroma extraction from coffee	May 11
F. Dubbut	4	ChE								X			Modelling of an industrial polymerization process for the production of impact polypropylene copolymers	Nov 10
S. Eslami	2	ChE				X							Membrane reactors	Dec 13
M. Farooq	2	ChE				X							Waste water treatment by membrane/adsorption	Aug 12
M. Fowler	2	Chem		X									Characterization of the properties of polypeptide aggregates	Dec 12
D. Francisco	4	ChE				X							Coffee aroma enrichment	Mar 11
T. Hall	1	Chem		X			X						Long range chain dynamics of poly(glutamic acid)	Dec 11
M. Haque	1	ChE						X	X				Water-soluble polymers based on acrylamide	May 10
Y. Hu	2	ChE				X							Facilitated transport membranes	Aug 13
H. Izadi	2	ChE						X	X				Polymers with tailor-made adhesive properties at nano-scale (with B. Zhao)	Sep 13
S. Joorabchian	1	CivE			X								Polymer modified concrete	Aug 10
J. Juger	3	Chem					X						Butyl rubber ionomers	May 11
N. Kazemi	2	ChE							X				Parameter estimation in terpolymerization	May 14
C. Keyes-Baig	2	Chem		X									Electron transfer in DNA: A fluorescence blob model approach	Dec 11
M. Khosa	3	ChE				X							Ultrafiltration	Oct 10
S. Khouri	1	ChE									X		Experimental characterisation of pH responsive cyclodextrin/polymeric complexes and theoretical calculation cellulose microcrystallites dimensions	Apr 10
P. Kundu	2	ChE				X							CO ₂ capture from flue gas for greenhouse gas emission control	Aug 12
C. Legros	2										X		Biodegradable and biocompatible nanogels for drug delivery applications	Oct 14
A. Leung	1	ChE									X		Novel pH-responsive hybrid peptide block copolymers for intracellular delivery applications	Aug 10
J. Li	3	ChE				X							Wastewater treatment by membranes	Aug 10

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I. Maafa	2	ChE								X			Reactivity ratio estimation for the copolymerization of ethylene and propylene with heterogeneous Ziegler-Natta catalysts	Dec 15
C. Madhuranthakam	4	ChE							X				Nitrile rubber continuous trains: modelling and optimization	May 12
A. Maneshi	2	ChE								X			Synthesis and mathematical modelling of clay/polyolefin nanocomposites	Aug 10
S. Masoumi	2	ChE	X										Model discrimination using MCMC methods	Aug 12
B. Matti	1	ChE			X								Optimization of a living polymerization system	Aug 10
J. McCoy	4	ChE								X			Kinetics of ethylene/1-butene copolymerization with heterogeneous Ziegler-Natta catalysts	Apr 11
S. Mehdiabadi	2	ChE								X			Synthesis and modelling of branched polyolefins with complex structures	Apr 11
M. Meysami	2	ChE										X	Devulcanization of tire rubber crumb with supercritical CO ₂	Sep 11
F. Moingeon	3	Chem					X						Photocatalysts for H ₂ production	May 11
P. Mutyala	2	ChE										X	Production of TPVs from devulcanized rubber crumb	Dec 12
A. Nabifar	2	ChE						X	X				Bayesian design of experiments in emulsion and controlled radical polymerization	Sep 12
L.Y. Nan	2	ChE									X		Nanoparticle synthesis using polyacrylic acids	Apr 14
M. Narkchamnan	4	ChE								X			Crystaf fractionation of polyolefins: CocrySTALLIZATION effects	Jan 11
O. Nguon	2	Chem					X						Polymer chain dynamics	Dec 11
N. Omidbakhsh	2 PT	ChE	X										Computer aided product design and development for peroxide based disinfectants (with A. Elkamel (Chem. Eng.) and P. Reilly, Vice-President Research, Virox Technologies, Oakville, ON)	May 10
O. Perez	4	ChE								X			Polyethylene production with novel bimetallic metallocene catalysts	Sep 10
B.L. Peng	2	ChE									X		Interactions between functionalized biocompatible polymer systems and surfactants	Sep 14
Sahar Rahmani	1	ChE									X		Magnetic nanoparticles for the removal of organic contaminants in water system	May 11
Sara Rahmani	1	ChE									X		Coated nanogels for the delivery of insulin	May 11
M. Reza	2	ChE				X							Membrane bioreactor for wastewater treatment	Aug 14
A. Salam	3	ChE				X							Sericin-based functional materials	May 10
A. Sardashti	2	ChE							X			X	Property modifications of HDPE	Sep 14
Y. Shangguan	1	ChE				X							Highly permeable membranes	Apr 11
S.-Y. A. Shin	3	ChE								X			In-situ preparation of clay-thermpolastic nanocomposites	Jun 10

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E. Siritwongsarn	4	ChE								X			Modeling of temperature rising elution fractionation	Sep 11
H. Siu	2	Chem		X									Fluorescence and rheological studies of surfactant-associative polymers associations	Jun 10
K. Stewart	1	ChE						X	X				Polymeric sensors for detection of toxic vapours	Sep 11
D. Suh	1	ChE									X		Virial capsid nanoparticles for drug delivery applications (with M. Aucoin)	Sep 10
J. Sun	2	ChE				X							Polyelectrolyte membranes	Aug 14
K. Suriya	4	ChE								X			Crystaf fractionation of polyolefins: Molecular weight effects	Dec 10
C. Ulloa	1	ChE				X							Hollow fiber membranes	Aug 11
L. Wadden	1	CivE							X				Creep performance of pipes (with Polak, Civ Eng)	Sep 11
Y. Wang	1	Chem		X									Correlation between the binding and associative strength of modified PIBSA-based dispersants	Aug 10
M. Wurtele	1	ChE										X	Numerical simulations of polymer extrusion	Dec 11
G. Whitton	2	Chem					X						Arborescent polymers form amino acids	Aug 11
Y.R. Wu	1	ChE						X				X	Polypropylene modified by polydimethylsiloxane in catalytic cross metathesis reactions	May 10
R. Yeetsorn	2	ChE										X	Development of electrically conductive thermoplastic composites for bipolar plate application in polymer electrolyte membrane fuel cell (with Michael Fowler, Chem. Eng.)	May 10
J. Yip	1	Chem		X									Study of the aggregation in water of pyrene end-labeled poly(N-isopropylacrylamide)	Sep 10
F. Yuen	1	ChE									X		Cyclodextrin assisted self-assembly of stimuli-sensitive block copolymers in aqueous media	Sep 10
A. Yeung	1	ChE									X		Novel pH-responsive hybrid peptide block copolymers for intracellular delivery applications	Dec 10
M. Zaman	4										X		Cationic modification of nanocrystalline cellulose	Jan 12
Y. Zhang	2	ChE				X							Solvent dehydration by pervaporation	Apr 13
Y. Zhaoling	2	ChE									X		Water-soluble fullerene polymers for drug delivery applications	Jun 12
S. Zhu	4	ChE							X			X	Ultrasonic characterization of rubber materials	Sep 11

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