

MATH3302 – Project Talks – Monday 1 June, 2pm – 2:50pm

Room	Name	Project topic
6-407	Clair Barrett	Purple machine cipher – Japanese ciphers in WW2
6-407	Nicholas Culpitt	Elliptic curve cryptography
6-407	Hien Nguyen	Quantum computing and the McEliece cryptosystem
6-407	Jo-Anna Morrison	Mechanics and mathematics of the Enigma cipher machine and its cryptanalysis
6-407	Damien Podagiel	Ancient cryptography
32-214	Gemma Clark	Frequency analysis of altered alphabets
32-214	Kohei Sugimoto	Chaos-based Crypto
32-214	Matthew Kurz	Steganography
32-214	Nicholas Allen	Double Allen Key Cryptosystem
32-214	Serge Pogodaev	Cipher using a PRNG

MATH3302 – Project Talks – Monday 1 June, 3pm – 3:50pm

Room	Name	Project topic
6-407	Kurt Byrnes	Cryptography in America – pre WW1
6-407	Tommy Brennan	
6-407	Dannii Willis	Walmartjari encryption
6-407	David Fyfe	A Brief Overview of Channel Coding and Modulation on Digital Subscriber Line (DSL)
6-407		
32-214	Josh Moore	Japanese Naval Codes of WW2
32-214	Kat Zeko	Frequency analysis of Croatian vs. English
32-214	Madeline Lucas	Visual Cryptography
32-214	Elle McDonald	Combinatorial designs in coding and cryptography

MATH3302 – Project Talks – Tuesday 2 June, 1pm – 1:50pm

Room	Name	Project topic
6-407	Stephanie Gharib	AES alternative (Serpent)
6-407	Lisa Booth	Cryptography and Languages
6-407	Claire Denzin	Kryptos sculpture
6-407	Matt Gearon	Profit industry of cryptography
6-407	Ryan Kirkman	DES in Python
32-211	Kate Saunders	Steganography
32-211	Jenna Thompson	Application of music in cryptography
32-211	Will Pettersson	List decoding
32-211	Sky Taylor-Woodlands	Rubik's Cube Cipher
32-211	Hasan Al-Shahrani	Network coding

MATH3302 – Project Talks – Tuesday 2 June, 2pm – 2:50pm

Room	Name	Project topic
6-407	Anneliese Jackson	The Enigma
6-407	Daniel Redshaw	
6-407	Chad Furniss	Evolution of Cryptography
6-407	Trent Kalisch-Smith	Elliptic Curve Cryptography
6-407	Sean Simpson	Musical cryptography
32-211	Jing-jing Zuo	Digital signatures
32-211	Maria Christofferson	Cryptography, complexity and primes
32-211	Matt Davey	The Enigma
32-211	Edwin Thio	Coding on CDs