

Singapore Mathematics Project Festival 2004

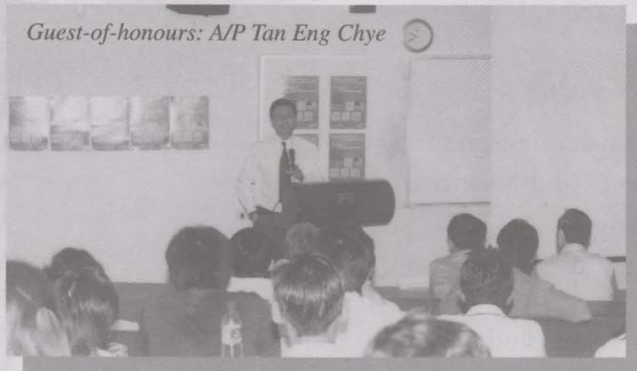
A Report by Tang Wee Kee

The Singapore Mathematics Project Festival 2004 attracted seventy-five teams of participants from thirty-four secondary schools. Five teams from each of the Junior and Senior Sections were invited to participate at the Festival Congress held at River Valley High School on 18 March 2004. Over a hundred teachers and students from various secondary schools attended the Festival Congress to watch the invited teams made presentations on their projects. Afterwards, the teams were interviewed by the judges to probe further into their understanding of the project material. The judges for the Festival were Dr. Lee Tuo Yeong (NIE), Dr. Toh Tin Lam (NIE) and Assoc Prof Yap Sook Fwe (NIE) for the Senior Section; Assoc Prof Chew Tuan Seng (NUS), Mr. Lawrence Neo (Nanyang JC), and Assoc Prof Denny Leung (NUS) and for the Junior Section. Some of the projects submitted to the Festival will be available at the SMS website.

The Society expresses its sincere gratitude to River Valley High School for allowing the use of its facilities to host the Festival Congress, the members of the teacher subcommittee at River Valley High School who did a wonderful job of organizing the Congress, the judges for their time and effort, and to all participating teams, supervising teachers and their schools for the support they have shown to the Festival.

The Singapore Mathematical Society is pleased to announce the results of the Singapore Mathematics Project Festival 2004.

Guest-of-honours: A/P Tan Eng Chye



Students in presentation



Students at work



Interview with students



SENIOR SECTION

Foo Kean Pew Memorial Prize (Senior Section)

<i>Excursions into the Moving Sofa Problem</i>	Ang Wee Kiat He Songhua Lim Wei Qi Lim Yun Xiao	River Valley High School	Mdm Teo Soh Wah
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Singapore Mathematical Society Shield (Senior Section)

Silver Prize

<i>Excursions into the Moving Sofa Problem</i>	Ang Wee Kiat He Songhua Lim Wei Qi Lim Yun Xiao	River Valley High School	Mdm Teo Soh Wah
<i>Modification of the Marion Walter's Theorem</i>	Phang Sheng Long Ang Jin Tian Koh Hong Huat Nicholas Fung Chang Qing	Seng Kang Secondary School	Ms Jillian Khong
<i>Frogs</i>	Quek Gian Seng Wesley Goh Yang Keong Kuah Guo Shen	Xinmin Secondary School	Ms Winnie Thang-Koh Mei Ling

Bronze Prize

The Algorithms of Coding System	Susheel Tan Wenqi Joline Wan Chao Bin Selina Lin Lihan	Clementi Town Secondary School	Mr Ho Fu Chew
Leap Frogs and Bee Hives	Chin Yong Kian Alvin Chen Jianda Lim Kia How	Xinmin Secondary School	Ms Winnie Thang-Koh Mei Ling

Special Prize in Overall Presentation

<i>Frogs</i>	Quek Gian Seng Wesley Goh Yang Keong Kuah Guo Shen	Xinmin Secondary School	Ms Winnie Thang-Koh Mei Ling
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JUNIOR SECTION

Foo Kean Pew Memorial Prize (Junior Section)

<i>The Generalised Tic-Tac-Toe Problem</i>	Chen Jinquan Hang Hao Chuien Tan Yong Zi	The Chinese High School	Mr Hang Kim Hoo Dr Spario Soon
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Singapore Mathematical Society Shield (Junior Section)

Gold Prize

<i>The Generalised Tic-Tac-Toe Problem</i>	Chen Jinquan Hang Hao Chuien Tan Yong Zi	The Chinese High School	Mr Hang Kim Hoo Dr Spario Soon
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Silver Prize			
<i>Queuing Theory</i>	Cheryl Quah Wan Jen Nicole Quah Wan Fen Tan Wei Lin	Raffles Girls' School (Secondary)	Mrs Sia Wai Leng
<i>Amida Kuji</i>	Lin Jie Lin Jasmine Agnes Ang Puay Leng Liang Kai Yuan Kishen s/o Thanasegara Rajah Joshua Jude De Souza	Deyi Secondary School	Mrs Jasmine Ho
<i>Pythagorean Triples and Quadruples</i>	Lim Wei Quan	The Chinese High School	Mrs Chung-Lim Hwee Kheng
<i>Techniques and Formula for Solving Cubic and Quatic Equations</i>	Elgin Lim Jun Wei Chong Jia An Tay Qian Wei	River Valley High School	Mr Ang Mia Lee
Bronze Prize			
<i>Using Graph Models in Roads</i>	Anisha Gupta Emmeline Tan Sok Hoong Ruth Tay Ai Ling Koh Wan Ling	Raffles Girls' School (Secondary)	Mrs Sia Wai Leng
<i>Game Theory</i>	Tan Jun Jie Wen Yu Sheng Tay Jun Yang Koh Jun Hao	Raffles Institution	Mr Chandru Mirpuri
<i>Staying Abreast</i>	Cassandra Yeap Cheryl-Ann Sim Magdalena Yvonne Koh Rachael Lee	Methodist Girls' School	Mrs Grace Poh
<i>The Art Gallery of Hamsterdam</i>	Sandra Loh Jia Min Kelly Kwan Rui Xin Joanna Seow Shu Zhen Leo Zhi Wei	Methodist Girls' School	Mrs Grace Poh
<i>Illustration of Pi</i>	Jonathan Go Zhen Ming Clarice Chong Si Min Joannah Shane Dexter Tan Jun Xiang	Fuhua Secondary School	Miss Bavani Mrs Purushothaman
<i>Lights Out Puzzle</i>	Tze Wei Wen Novem Gerry Neo Shu De Chan Waisun Eugene Huang Lekang	Bowen Secondary School	Mrs Padma Ramachandran
Special Prize in Overall Presentation			
<i>Queuing Theory</i>	Cheryl Quah Wan Jen Nicole Quah Wan Fen Tan Wei Lin	Raffles Girls' School (Secondary)	Mrs Sia Wai Leng