#### NEWS RELEASE Fourteenth Annual High School Mathematical Modeling Contest

The Consortium for Mathematics and its Applications (COMAP) is pleased to announce the results of the Fourteenth Annual High School Mathematical Contest in Modeling (HiMCM). A total of 435 teams, with up to 4 students each, from 80 schools, competed. All teams worked at their own schools during a designated 36-hour period between November 4th and 21st, 2011. Each high school team chose from two modeling problems offered and then constructed their solutions.

#### **National Outstanding Teams**

Eastside High School, Gainesville, FL Hong Kong International School, Hong Kong (2 Teams) Illinois Mathematics and Science Academy, Aurora, IL Maggie L. Walker Governor's School, Richmond, VA Mills Godwin High School, Henrico, VA The Charter School of Wilmington, Wilmington, DE Winchester Thurston School, Pittsburgh, PA

#### **Regional Outstanding Teams**

Chesterfield County Math/Sci HS @ Clover Hill, Midlothian, VA China Welfare Institution, Shanghai, China Eastside High School, Gainesville, FL (2 Teams) Evanston Township High School, Evanston, IL (3 Teams) Hangzhou Foreign Languages School, Hangzhou, China Hanover High School, Hanover, NH (2 Teams) Hanyoung Foreign Language High School, Seoul, Korea (2 Teams) Hong Kong International School, Hong Kong (6 Teams) Illinois Mathematics and Science Academy, Aurora, IL (2 Teams) Maggie L. Walker Governor's School, Richmond, VA (4 Teams) Mills Godwin High School, Henrico, VA (3 Teams) Mississippi School for Mathematics & Science, Columbus, MS NO.2 High School of East China Normal University, Shanghai, China (2 Teams) North Springs Charter School, Atlanta, GA Shanghai Foreign Language School, Shanghai, China (10 Teams) Shanghai High School, Shanghai, China Shenzhen Middle School, Shenzhen, China Stanford University EPGY Online High School, Stanford, CA The Charter School of Wilmington, Wilmington, DE The Ellis School, Pittsburgh, PA (2 Teams) University High School, Irvine, CA (3 Teams) Winchester Thurston School, Pittsburgh, PA Woodbridge High School, Irvine, CA (2 Teams)

Problem	National Outstanding	%	Regional Outstanding	%	Meritorious	%	Honorable Mention	%	Successful Participant	%	TOTAL
А	4	2%	25	11%	63	28%	78	35%	52	24%	222
В	4	2%	28	13%	59	28%	67	31%	55	26%	213
Total	8	2%	53	12%	122	28%	145	33%	107	25%	435

14	ANNUAL HIMCM STATISTICS	
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All schools are to be commended for their efforts. The judges were impressed with all the teams' creativity and ingenuity in mathematical modeling and in their ability to explain their strategies and problem-solving techniques in clear terms. Each participant is a true winner. A complete Results Report, listing all teams by designation, can be found at www.himcm.org For additional contest information, contact COMAP at: himcm@comap.com

The Contest Director is William P. Fox, Professor at The Naval Postgraduate School.

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Project Directors include John A. Dossey, Distinguished University Professor of Mathematics Emeritus, Illinois State University, and Frank Giordano, Professor at The Naval Postgraduate School.

HiMCM is made possible by COMAP, Inc. Additional support is provided by The Institute for Operations Research and the Management Sciences (INFORMS), The Mathematical Association of America (MAA), and The National Council of Teachers of Mathematics (NCTM).

<u>Ctrl #</u>	<u>Prob</u>	<u>Designation</u>	Institution	Advisor	Location	<u>1</u>				
			National Outstanding			_				
2881	В	National Outstanding	Mills Godwin High School	Todd Phillips	Henrico	VA				
2929	A	National Outstanding	Hong Kong International School	Kevin Mansell	HONG Kong	Hong				
2930	A	National Outstanding	Hong Kong International School	Kevin Mansell	HONG Kong	Hong				
3074	В	National Outstanding	Winchester Thurston School	Stephen Miller	Pittsburgh	PA				
3170	A	National Outstanding	Eastside High School	Carl Henriksen	Gainesville	FL				
3180	В	National Outstanding	The Charter School of Wilmington	Regina Fody	Wilmington	DE				
3192	В	National Outstanding	Maggie L. Walker Governor's School	Dickson Benesh	Richmond	VA				
3307	А	National Outstanding	Illinois Mathematics and Science Academy	Steven Condie	Aurora	IL				
	Regional Outstanding									
2862	В	Regional Outstanding	Shanghai Foreign Language School	Weipin Wang	Shanghai					
2869	A	Regional Outstanding	The Ellis School	Amy Yam	Pittsburgh	PA				
2870	В	Regional Outstanding	The Ellis School	Amy Yam	Pittsburgh	PA				
2879	A	Regional Outstanding	Mills Godwin High School	Todd Phillips	Henrico	VA				
2880	A	Regional Outstanding	Mills Godwin High School	Todd Phillips	Henrico	VA				
2882	В	Regional Outstanding	Mills Godwin High School	Todd Phillips	Henrico	VA				
2888	В	Regional Outstanding	No.2 Secondary School of East China Normal University	Chengpeng Zhang	Shanghai	Shan				
2900	A	Regional Outstanding	China Welfare Institution	Linfeng Dong	Shanghai	Shan				
2918	В	Regional Outstanding	Hangzhou Foreign Languages School	Hailian Zou	Hangzhou	Zheji				
2931	В	Regional Outstanding	Hong Kong International School	Kevin Mansell	HONG Kong	Hong				
2933	A	Regional Outstanding	Hong Kong International School	Kevin Mansell	HONG Kong	Hong				
2943	В	Regional Outstanding	Hong Kong International School	Kevin Mansell	HONG Kong	Hong				
2947	A	Regional Outstanding	Hong Kong International School	Kevin Mansell	HONG Kong	Hong				
2969	A	Regional Outstanding	Hong Kong International School	Kevin Mansell	HONG Kong	Hong				
2970	A	Regional Outstanding	Shanghai High School	Jian Wu	Shanghai	Shan				

<u>Ctrl #</u>	<u>Prob</u>	<u>Designation</u>	Institution	Advisor	Location	<u>n</u>
2972	В	Regional Outstanding	Shanghai Foreign Language School	PanLiQun SunYue	shanghai	Shan
2973	A	Regional Outstanding	Shanghai Foreign Language School	PanLiQun SunYue	shanghai	Shan
2974	A	Regional Outstanding	Shanghai Foreign Language School	PanLiQun SunYue	shanghai	Shan
2975	В	Regional Outstanding	Shanghai Foreign Language School	PanLiQun SunYue	shanghai	Shan
2976	A	Regional Outstanding	Shanghai Foreign Language School	PanLiQun SunYue	shanghai	Shan
2979	A	Regional Outstanding	Shanghai Foreign Language School	PanLiQun SunYue	shanghai	Shan
2981	В	Regional Outstanding	Shanghai Foreign Language School	PanLiQun SunYue	shanghai	Shan
2983	А	Regional Outstanding	Shanghai Foreign Language School	PanLiQun SunYue	shanghai	Shan
2984	A	Regional Outstanding	Shanghai Foreign Language School	PanLiQun SunYue	shanghai	Shan
2994	В	Regional Outstanding	Hong Kong International School	Kevin Mansell	HONG Kong	Hong
3002	В	Regional Outstanding	Shenzhen Middle School	Wentao Zhang	Shenzhen	Guan
3007	A	Regional Outstanding	Hanover High School	William Hammond	Hanover	NH
3011	A	Regional Outstanding	Hanover High School	William Hammond	Hanover	NH
3019	В	Regional Outstanding	Evanston Township High School	Mark Vondracek	Evanston	IL
3022	В	Regional Outstanding	Evanston Township High School	Mark Vondracek	Evanston	IL
3030	В	Regional Outstanding	Hanyoung Foreign Language High School	Hongshick Jang	Seoul	Korea
3047	А	Regional Outstanding	Hanyoung Foreign Language High School	Hongshick Jang	Seoul	Korea
3068	A	Regional Outstanding	Mississippi School for Mathematics & Science	Claudia Carter	Columbus	MS
3075	В	Regional Outstanding	Winchester Thurston School	Stephen Miller	Pittsburgh	PA
3102	В	Regional Outstanding	North Springs Charter School	Scott Hetherington	Atlanta	GA
3114	A	Regional Outstanding	Evanston Township High School	Glenford Gordon	Evanston	IL
3146	А	Regional Outstanding	University High School	Stephanie Chang	Irvine	CA
3161	В	Regional Outstanding	University High School	Patricia Janda	Irvine	CA
3169	В	Regional Outstanding	Eastside High School	Carl Henriksen	Gainesville	FL
3171	В	Regional Outstanding	Eastside High School	Carl Henriksen	Gainesville	FL

<u>Ctrl #</u>	<u>Prob</u>	Designation	Institution	Advisor	Locatio	<u>n</u>
3188	A	Regional Outstanding	Maggie L. Walker Governor's School	Dickson Benesh	Richmond	VA
3191	В	Regional Outstanding	Maggie L. Walker Governor's School	Dickson Benesh	Richmond	VA
3193	В	Regional Outstanding	Maggie L. Walker Governor's School	Dickson Benesh	Richmond	VA
3194	A	Regional Outstanding	Maggie L. Walker Governor's School	Dickson Benesh	Richmond	VA
3200	В	Regional Outstanding	The Charter School of Wilmington	Regina Fody	Wilmington	DE
3223	В	Regional Outstanding	Woodbridge High School	David Gesk	Irvine	CA
3226	A	Regional Outstanding	Woodbridge High School	David Gesk	Irvine	CA
3244	A	Regional Outstanding	Stanford University EPGY Online High School	Claire Goldsmith	Stanford	CA
3261	В	Regional Outstanding	No. 2 High School of East China Normal University	Hongliang Shi	Shanghai	
3287	В	Regional Outstanding	Chesterfield County Math/Sci HS @ Clover Hill	Pete Peterson	Midlothian	VA
3305	В	Regional Outstanding	Illinois Mathematics and Science Academy	Steven Condie	Aurora	IL
3308	A	Regional Outstanding	Illinois Mathematics and Science Academy	Steven Condie	Aurora	IL
3337	В	Regional Outstanding	University High School	Tom Shrake	Irvine	CA
			<u>Meritorious</u>			
2863	А	Meritorious	Fuxing Senior High School	Ying Ting Zhao	Shanghai	Shan
2865	А	Meritorious	WHBC of Wuhan Foreign Languages School	Xing Liu	Wuhan	Hubei
2875	В	Meritorious	Holy Ghost Prep	William Lambert	Bensalem	PA
2878	В	Meritorious	Mills Godwin High School	Todd Phillips	Henrico	VA
2884	В	Meritorious	Mills Godwin High School	Todd Phillips	Henrico	VA
2890	A	Meritorious	No.2 high school of ECNU	Chengpeng Zhang	Shanghai	Shan
2892	A	Meritorious	No.2 Secondary School Attached to East China Normal	Chengpeng Zhang	Shanghai	Shan
2898	A	Meritorious	No.2 High School of East China Normal University	Chengpeng Zhang	Shanghai	Shan
2899	В	Meritorious	China Welfare Institution	Linfeng Dong	Shanghai	Shan
2901	В	Meritorious	Shenzhen Middle School	Liang Yao	Shenzhen	Guan
2916	A	Meritorious	Clarkstown South High School	Mary Gavioli	West Nyack	N.Y.

<u>Ctrl #</u>	<u>Prob</u>	<u>Designation</u>	Institution	Advisor	Location	<u>1</u>
2917	A	Meritorious	Clarkstown South High School	Mary Gavioli	West Nyack	N.Y.
2923	A	Meritorious	Hangzhou Foreign Languages School	Hailian Zou	Hangzhou	Zheji
2925	В	Meritorious	Hangzhou Foreign Languages School	Hailian Zou	Hangzhou	Zheji
2932	A	Meritorious	Hong Kong International School	Kevin Mansell	HONG Kong	Hong
2940	В	Meritorious	Hangzhou Foreign Languages School	Hailian Zou	Hangzhou	Zheji
2944	A	Meritorious	Hong Kong International School	Kevin Mansell	HONG Kong	Hong
2949	A	Meritorious	Hong Kong International School	Kevin Mansell	HONG Kong	Hong
2954	A	Meritorious	Hong Kong International School	Kevin Mansell	HONG Kong	Hong
2958	A	Meritorious	Hong Kong International School	Kevin Mansell	HONG Kong	Hong
2960	A	Meritorious	Hong Kong International School	Kevin Mansell	HONG Kong	Hong
2963	В	Meritorious	Hong Kong International School	Kevin Mansell	HONG Kong	Hong
2971	A	Meritorious	Shanghai Foreign Language School	PanLiQun SunYue	shanghai	Shan
2982	A	Meritorious	Shanghai Foreign Language School	PanLiQun SunYue	shanghai	Shan
2986	A	Meritorious	Shanghai Foreign Language School	PanLiQun SunYue	shanghai	Shan
2988	В	Meritorious	Shanghai Foreign Language School	PanLiQun SunYue	shanghai	Shan
2989	А	Meritorious	Shanghai Foreign Language School	PanLiQun SunYue	shanghai	Shan
2990	В	Meritorious	Shanghai Foreign Language School	PanLiQun SunYue	shanghai	Shan
2993	A	Meritorious	Hong Kong International School	Kevin Mansell	HONG Kong	Hong
3001	А	Meritorious	WHBC of Wuhan Foreign Languages School	Xing Liu	Wuhan	Hubei
3004	В	Meritorious	Hanover High School	William Hammond	Hanover	NH
3006	А	Meritorious	Hanover High School	William Hammond	Hanover	NH
3009	A	Meritorious	Hanover High School	William Hammond	Hanover	NH
3010	В	Meritorious	Hanover High School	William Hammond	Hanover	NH
3017	A	Meritorious	Shenzhen Middle School	Liang Yao	Shenzhen	Guan
3018	В	Meritorious	Evanston Township High School	Mark Vondracek	Evanston	IL

<u>Ctrl #</u>	<u>Prob</u>	<u>Designation</u>	Institution	Advisor	Locati	<u>on</u>
3020	A	Meritorious	Evanston Township High School	Mark Vondracek	Evanston	IL
3021	A	Meritorious	Evanston Township High School	Mark Vondracek	Evanston	IL
3034	A	Meritorious	Hanyoung Foreign Language High School	Hongshick Jang	Seoul	Korea
3036	A	Meritorious	Hanyoung Foreign Language High School	Hongshick Jang	Seoul	Korea
3041	В	Meritorious	Hanyoung Foreign Language High School	Hongshick Jang	Seoul	Korea
3042	A	Meritorious	Hanyoung Foreign Language High School	Hongshick Jang	Seoul	Korea
3044	A	Meritorious	Hanyoung Foreign Language High School	Hongshick Jang	Seoul	Korea
3045	A	Meritorious	Hanyoung Foreign Language High School	Hongshick Jang	Seoul	Korea
3055	В	Meritorious	Hangzhou Foreign Languages School	Hailian Zou	Hangzhou	Zheji
3065	A	Meritorious	Mississippi School for Mathematics & Science	Claudia Carter	Columbus	MS
3072	A	Meritorious	Shenzhen Middle School	Yan Liu	Shenzhen	Guan
3076	В	Meritorious	Winchester Thurston School	Stephen Miller	Pittsburgh	PA
3078	В	Meritorious	Helena High School	Richard Seitz	Helena	MT
3081	В	Meritorious	Helena High School	Richard Seitz	Helena	MT
3083	A	Meritorious	Shenzhen middle school	Wu Cong	Shenzhen	Guan
3087	В	Meritorious	North Springs Charter School	Scott Hetherington	Atlanta	GA
3093	A	Meritorious	North Springs Charter School	Scott Hetherington	Atlanta	GA
3094	A	Meritorious	North Springs Charter School	Scott Hetherington	Atlanta	GA
3095	A	Meritorious	North Springs Charter School	Scott Hetherington	Atlanta	GA
3097	А	Meritorious	North Springs Charter School	Scott Hetherington	Atlanta	GA
3099	A	Meritorious	North Springs Charter School	Scott Hetherington	Atlanta	GA
3100	В	Meritorious	North Springs Charter School	Scott Hetherington	Atlanta	GA
3101	A	Meritorious	North Springs Charter School	Scott Hetherington	Atlanta	GA
3103	В	Meritorious	North Springs Charter School	Scott Hetherington	Atlanta	GA
3104	A	Meritorious	North Springs Charter School	Scott Hetherington	Atlanta	GA

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3111	А	Meritorious	Evanston Township High School	Glenford Gordon	Evanston	IL
3115	В	Meritorious	Decorah High School	Allysen Lovstuen	Decorah	IA
3117	А	Meritorious	Decorah High School	Allysen Lovstuen	Decorah	IA
3121	А	Meritorious	Hanyoung Foreign Language High School	Hongshick Jang	Seoul k	Korea
3130	В	Meritorious	Lockport Township High School	Carin Cooper	Lockport	IL
3131	A	Meritorious	Lockport Township High School	Carin Cooper	Lockport	IL
3133	В	Meritorious	Lockport Township High School	Carin Cooper	Lockport	IL
3134	В	Meritorious	Lockport Township High School	Carin Cooper	Lockport	IL
3136	A	Meritorious	Lockport Township High School	Carin Cooper	Lockport	IL
3141	A	Meritorious	University High School	Stephanie Chang	Irvine	CA
3143	A	Meritorious	University High School	Stephanie Chang	Irvine	CA
3153	В	Meritorious	Frontier Regional School	Garrett Deane	South Deerfield	MA
3163	В	Meritorious	University High School	Patricia Janda	Irvine	CA
3166	A	Meritorious	University High School	Patricia Janda	Irvine	CA
3167	В	Meritorious	University High School	Patricia Janda	Irvine	CA
3172	В	Meritorious	Eastside High School	Carl Henriksen	Gainesville	FL
3174	В	Meritorious	Eastside High School	Carl Henriksen	Gainesville	FL
3175	В	Meritorious	High School	Suraj Dasika	Santa Clara	CA
3177	В	Meritorious	Shenzhen Senior High School	Manli Yi	Shenzhen	Guan
3181	В	Meritorious	HERMITAGE SCHOOL DISTRICT	THOMAS COCHRAN	HERMITAGE	PA
3182	В	Meritorious	HERMITAGE SCHOOL DISTRICT	THOMAS COCHRAN	HERMITAGE	PA
3184	В	Meritorious	NC School of Science and Mathematics	Daniel Teague	Durham	NC
3185	В	Meritorious	NC School of Science and Mathematics	Daniel Teague	Durham	NC
3189	A	Meritorious	Maggie L. Walker Governor's School	Dickson Benesh	Richmond	VA
3190	A	Meritorious	Maggie L. Walker Governor's School	Dickson Benesh	Richmond	VA

<u>Ctrl #</u>	<u>Prob</u>	Designation	Institution	Advisor	Location	
3195	A	Meritorious	Maggie L. Walker Governor's School	Dickson Benesh	Richmond	VA
3196	В	Meritorious	Maggie L. Walker Governor's School	Dickson Benesh	Richmond	VA
3201	В	Meritorious	The Charter School of Wilmington	Regina Fody	Wilmington	DE
3202	В	Meritorious	The Charter School of Wilmington	Regina Fody	Wilmington	DE
3203	В	Meritorious	The Charter School of Wilmington	Regina Fody	Wilmington	DE
3208	А	Meritorious	The Charter School of Wilmington	Regina Fody	Wilmington	DE
3213	A	Meritorious	Shenandoah High School	Jennifer Stephens	Shenandoah	IA
3219	В	Meritorious	Woodbridge High School	David Gesk	Irvine	CA
3225	В	Meritorious	Woodbridge High School	David Gesk	Irvine	CA
3227	В	Meritorious	Woodbridge High School	David Gesk	Irvine	CA
3229	A	Meritorious	Woodbridge High School	David Gesk	Irvine	CA
3230	В	Meritorious	Woodbridge High School	David Gesk	Irvine	CA
3232	В	Meritorious	The Charter School of Wilmington	Regina Fody	Wilmington	DE
3234	A	Meritorious	Madison East High School	Cynthia Chin	Madison	WI
3237	В	Meritorious	Madison East High School	Cynthia Chin	Madison	WI
3241	В	Meritorious	Gunn High School	Danny Hahn	Palo Alto	CA
3242	В	Meritorious	Stanford University EPGY Online High School	Claire Goldsmith	Stanford	CA
3246	В	Meritorious	Capital High	Dennis Peterson	Helena	Mt
3256	А	Meritorious	Canadian International School of Beijing	Peggy Gorman-	Beijing	CN
3260	А	Meritorious	Canadian International School of Beijing	Peggy Gorman-	Beijing	CN
3263	В	Meritorious	Saint Francis High School	Anna Tran	Mountain View	CA
3270	В	Meritorious	Dubuque Senior High School	Julia Jorgenson	Dubuque	IA
3272	В	Meritorious	Upper Arlington High School	Cara Hubbell	Upper Arlington	OH
3275	А	Meritorious	Glenbrook North HS	Brad Benson	Northbrook	IL
3281	В	Meritorious	arkansas school for math and sciences	bruce turkal	hot springs	ar

<u>Ctrl #</u>	<u>Prob</u>	<u>Designation</u>	Institution	Advisor	Locati	<u>on</u>
3290	В	Meritorious	Rowe-Clark Math & Science Academy	Matthew Leftwich	Chicago	IL
3294	В	Meritorious	University of California, Davis	Gregory Shinault	Davis	CA
3306	В	Meritorious	Illinois Mathematics and Science Academy	Steven Condie	Aurora	IL
3309	A	Meritorious	Illinois Mathematics and Science Academy	Steven Condie	Aurora	IL
3310	В	Meritorious	Illinois Mathematics and Science Academy	Steven Condie	Aurora	IL
3311	A	Meritorious	Illinois Mathematics and Science Academy	Steven Condie	Aurora	IL
3312	В	Meritorious	Illinois Mathematics and Science Academy	Steven Condie	Aurora	IL
3314	A	Meritorious	Illinois Mathematics and Science Academy	Steven Condie	Aurora	IL
3315	A	Meritorious	Illinois Mathematics and Science Academy	Steven Condie	Aurora	IL
3317	A	Meritorious	Illinois Mathematics and Science Academy	Steven Condie	Aurora	IL
3331	В	Meritorious	Walter Payton College Prep	Paul Karafiol	Chicago	IL
			Honorable Mention			
2866	A	Honorable Mention	Olathe North High School	Terry Link	Olathe	KS
2871	В	Honorable Mention	Dearborn High School	Beth Dunleavy	Dearborn	MI
2872	В	Honorable Mention	Ressu Upper Secondary School	Chong Su	Helsinki	FI
2873	A	Honorable Mention	Ressu Upper Secondary School	Chong Su	Helsinki	FI
2874	A	Honorable Mention	Holy Ghost Prep	William Lambert	Bensalem	PA
2877	В	Honorable Mention	Shanghai Foreign Language School	Yi Qin	Shanghai	Shan
2883	A	Honorable Mention	Mills Godwin High School	Todd Phillips	Henrico	VA
2889	A	Honorable Mention	Shanghai Foreign Language School, China	Yue Sun	Shanghai	Shan
2891	A	Honorable Mention	No.2 Secondary School Attached to East China Normal	Chengpeng Zhang	Shanghai	Shan
2893	A	Honorable Mention	Shenzhen Middle School	Liang Yao	Shenzhen	Guan
2894	В	Honorable Mention	No.2 High School of ECNU	Chengpeng Zhang	Shanghai	Shan
2895	A	Honorable Mention	No.2 High School attached to ECNU	Chengpeng ZHANG	Shanghai	Shan
2896	A	Honorable Mention	Shenzhen Middle School	Liang Yao	Shenzhen	Guan

<u>Ctrl #</u>	<u>Prob</u>	<u>Designation</u>	Institution	Advisor	Location	<u>1</u>
2905	А	Honorable Mention	Massachusetts Academy of Mathematics and Science at	Jim Barys	Worcester	MA
2906	А	Honorable Mention	Massachusetts Academy of Mathematics and Science at	Jim Barys	Worcester	MA
2907	А	Honorable Mention	Massachusetts Academy of Mathematics and Science at	Jim Barys	Worcester	MA
2908	A	Honorable Mention	Massachusetts Academy of Mathematics and Science at	Jim Barys	Worcester	MA
2910	A	Honorable Mention	Massachusetts Academy of Mathematics and Science at	Jim Barys	Worcester	MA
2911	В	Honorable Mention	Massachusetts Academy of Mathematics and Science at	Jim Barys	Worcester	MA
2912	В	Honorable Mention	Massachusetts Academy of Mathematics and Science at	Jim Barys	Worcester	MA
2913	А	Honorable Mention	Massachusetts Academy of Mathematics and Science at	Jim Barys	Worcester	MA
2915	А	Honorable Mention	Massachusetts Academy of Mathematics and Science at	Jim Barys	Worcester	MA
2919	В	Honorable Mention	Hangzhou Foreign Languages School	Hailian Zou	Hangzhou	Zheji
2920	А	Honorable Mention	Hangzhou Foreign Languages School	Hailian Zou	Hangzhou	Zheji
2924	A	Honorable Mention	Hangzhou Foreign Languages School	Hailian Zou	Hangzhou	Zheji
2926	A	Honorable Mention	Hangzhou Foreign Languages School	Hailian Zou	Hangzhou	Zheji
2934	А	Honorable Mention	Hangzhou Foreign Languages School	Hailian Zou	Hangzhou	Zheji
2937	А	Honorable Mention	Hangzhou Foreign Languages School	Hailian Zou	Hangzhou	Zheji
2941	В	Honorable Mention	Hangzhou Foreign Languages School	Hailian Zou	Hangzhou	Zheji
2942	В	Honorable Mention	Hong Kong International School	Kevin Mansell	HONG Kong	Hong
2946	А	Honorable Mention	Hong Kong International School	Kevin Mansell	HONG Kong	Hong
2950	В	Honorable Mention	Hong Kong International School	Kevin Mansell	HONG Kong	Hong
2952	А	Honorable Mention	WHBC of Wuhan Foreign Languages School	Xing Liu	Wuhan	Hubei
2962	A	Honorable Mention	Hong Kong International School	Kevin Mansell	HONG Kong	Hong
2964	А	Honorable Mention	Hong Kong International School	Kevin Mansell	HONG Kong	Hong
2965	A	Honorable Mention	Southwest weiyu Middle School	Chunyi Ye	Shanghai	
2977	В	Honorable Mention	Shanghai Foreign Language School	PanLiQun SunYue	shanghai	Shan
2978	В	Honorable Mention	Shanghai Foreign Language School	PanLiQun SunYue	shanghai	Shan

<u>Ctrl #</u>	<u>Prob</u>	<u>Designation</u>	Institution	Advisor	Location	<u>n</u>
2980	В	Honorable Mention	Shanghai Foreign Language School	PanLiQun SunYue	shanghai	Shan
2985	В	Honorable Mention	Shanghai Foreign Language School	PanLiQun SunYue	shanghai	Shan
2987	A	Honorable Mention	Shanghai Foreign Language School	PanLiQun SunYue	shanghai	Shan
2992	В	Honorable Mention	Hong Kong International School	Kevin Mansell	HONG Kong	Hong
2996	A	Honorable Mention	WHBC of Wuhan Foreign Languages School	Xing Liu	Wuhan	Hubei
2999	A	Honorable Mention	Harrow International School Beijing	David Errington	Beijing	Beijin
3005	В	Honorable Mention	Hanover High School	William Hammond	Hanover	NH
3008	В	Honorable Mention	Hanover High School	William Hammond	Hanover	NH
3024	В	Honorable Mention	Evanston Township High School	Mark Vondracek	Evanston	IL
3025	A	Honorable Mention	Hanyoung Foreign Language High School	Hongshick Jang	Seoul	Korea
3026	В	Honorable Mention	Hanyoung Foreign Language High School	Hongshick Jang	Seoul	Korea
3027	A	Honorable Mention	Hanyoung Foreign Language High School	Hongshick Jang	Seoul	Korea
3028	A	Honorable Mention	Hanyoung Foreign Language High School	Hongshick Jang	Seoul	Korea
3032	A	Honorable Mention	Hanyoung Foreign Language High School	Hongshick Jang	Seoul	Korea
3033	A	Honorable Mention	Hanyoung Foreign Language High School	Hongshick Jang	Seoul	Korea
3035	A	Honorable Mention	Hanyoung Foreign Language High School	Hongshick Jang	Seoul	Korea
3037	A	Honorable Mention	Hanyoung Foreign Language High School	Hongshick Jang	Seoul	Korea
3038	A	Honorable Mention	Hanyoung Foreign Language High School	Hongshick Jang	Seoul	Korea
3039	В	Honorable Mention	Hanyoung Foreign Language High School	Hongshick Jang	Seoul	Korea
3040	A	Honorable Mention	Hanyoung Foreign Language High School	Hongshick Jang	Seoul	Korea
3043	В	Honorable Mention	Hanyoung Foreign Language High School	Hongshick Jang	Seoul	Korea
3046	A	Honorable Mention	Hanyoung Foreign Language High School	Hongshick Jang	Seoul	Korea
3048	В	Honorable Mention	Hanyoung Foreign Language High School	Hongshick Jang	Seoul	Korea
3053	В	Honorable Mention	Shenzhen Middle School	Junmin Zhou	Shenzhen	Guan
3058	В	Honorable Mention	Hangzhou Foreign Languages School	Hailian Zou	Hangzhou	Zheji

<u>Ctrl #</u>	<u>Prot</u>	<u>Designation</u>	Institution	Advisor	Locatio	<u>on</u>
3063	В	Honorable Mention	SHEN ZHEN middle school	CONG WU	Shen zhen	Guan
3064	A	Honorable Mention	Shenzhen Middle School	Liang Yao	Shenzhen	Guan
3066	В	Honorable Mention	Mississippi School for Mathematics & Science	Claudia Carter	Columbus	MS
3067	A	Honorable Mention	Mississippi School for Mathematics & Science	Claudia Carter	Columbus	MS
3077	В	Honorable Mention	Helena High School	Richard Seitz	Helena	MT
3080	A	Honorable Mention	Helena High School	Richard Seitz	Helena	MT
3085	A	Honorable Mention	WHBC of Wuhan Foreign Languages School	Xing Liu	Wuhan	Hubei
3089	В	Honorable Mention	North Springs Charter School	Scott Hetherington	Atlanta	GA
3098	A	Honorable Mention	North Springs Charter School	Scott Hetherington	Atlanta	GA
3108	A	Honorable Mention	Evanston Township High School	Glenford Gordon	Evanston	IL
3110	A	Honorable Mention	Evanston Township High School	Glenford Gordon	Evanston	IL
3112	В	Honorable Mention	Evanston Township High School	Glenford Gordon	Evanston	IL
3113	A	Honorable Mention	Evanston Township High School	Glenford Gordon	Evanston	IL
3116	A	Honorable Mention	Decorah High School	Allysen Lovstuen	Decorah	IA
3120	A	Honorable Mention	Hanyoung Foreign Language High School	Hongshick Jang	Seoul	Korea
3123	A	Honorable Mention	Hanyoung Foreign Language High School	Hongshick Jang	Seoul	Korea
3125	A	Honorable Mention	Shenzhen middle school	Wu Cong	Shenzhen	Guan
3127	В	Honorable Mention	Clarkstown South High School	Mary Gavioli	West Nyack	N.Y.
3132	В	Honorable Mention	Lockport Township High School	Carin Cooper	Lockport	IL
3135	A	Honorable Mention	Lockport Township High School	Carin Cooper	Lockport	IL
3139	В	Honorable Mention	University High School	Stephanie Chang	Irvine	CA
3140	В	Honorable Mention	Hempstead High School	Rita Crotty	Dubuque	IA
3142	A	Honorable Mention	University High School	Stephanie Chang	Irvine	CA
3144	A	Honorable Mention	University High School	Stephanie Chang	Irvine	CA
3145	A	Honorable Mention	University High School	Stephanie Chang	Irvine	CA

<u>Ctrl #</u>	<u>Prob</u>	<u>Designation</u>	Institution	Advisor	Location	
3149	В	Honorable Mention	charlotte country day school	joseph vignolini	charlotte	nc
3150	А	Honorable Mention	Frontier Regional School	Garrett Deane	South Deerfield	MA
3151	A	Honorable Mention	Frontier Regional School	Garrett Deane	South Deerfield	MA
3152	В	Honorable Mention	Frontier Regional School	Garrett Deane	South Deerfield	MA
3154	В	Honorable Mention	Frontier Regional School	Garrett Deane	South Deerfield	MA
3156	A	Honorable Mention	Frontier Regional School	Garrett Deane	South Deerfield	MA
3157	В	Honorable Mention	Frontier Regional School	Garrett Deane	South Deerfield	MA
3162	В	Honorable Mention	University High School	Patricia Janda	Irvine	CA
3165	В	Honorable Mention	University High School	Patricia Janda	Irvine	CA
3173	В	Honorable Mention	Eastside High School	Carl Henriksen	Gainesville	FL
3176	В	Honorable Mention	SHENZHEN MIDDLE SCHOOL	SHOULI JIANG	SHENZHEN	GUA
3186	A	Honorable Mention	Maggie L. Walker Governor's School	Dickson Benesh	Richmond	VA
3187	A	Honorable Mention	Beijing Huijia (IB) Private School	DANLU YU	BEIJING H	BEIJI
3199	А	Honorable Mention	The Charter School of Wilmington	Regina Fody	Wilmington	DE
3205	В	Honorable Mention	The Charter School of Wilmington	Regina Fody	Wilmington	DE
3206	В	Honorable Mention	The Charter School of Wilmington	Regina Fody	Wilmington	DE
3207	А	Honorable Mention	The Charter School of Wilmington	Regina Fody	Wilmington	DE
3209	В	Honorable Mention	The Charter School of Wilmington	Regina Fody	Wilmington	DE
3222	В	Honorable Mention	Woodbridge High School	David Gesk	Irvine	CA
3224	В	Honorable Mention	Woodbridge High School	David Gesk	Irvine	CA
3228	В	Honorable Mention	Woodbridge High School	David Gesk	Irvine	CA
3231	А	Honorable Mention	Woodbridge High School	David Gesk	Irvine	CA
3235	А	Honorable Mention	Madison East High School	Cynthia Chin	Madison	WI
3238	В	Honorable Mention	Madison East High School	Cynthia Chin	Madison	WI
3243	В	Honorable Mention	Stanford University EPGY Online High School	Claire Goldsmith	Stanford	CA

<u>Ctrl #</u>	<u>Prob</u>	<u>Designation</u>	Institution	Advisor	Locatio	<u>on</u>
3245	A	Honorable Mention	Stanford University EPGY Online High School	Claire Goldsmith	Stanford	CA
3247	В	Honorable Mention	Capital High	Dennis Peterson	Helena	Mt
3259	A	Honorable Mention	Canadian International School of Beijing	Peggy Gorman-	Beijing	CN
3264	A	Honorable Mention	Canadian International School of Beijing	Peggy Gorman-	Beijing	CN
3266	В	Honorable Mention	Shenzhen Middle School	Xiaodong Zheng	Shenzhen	Guan
3268	A	Honorable Mention	Sussex Technical High School	Robin Wroten	Georgetown	DE
3269	В	Honorable Mention	Centennial High School	Elaine Whalen	ellicott city	MD
3276	В	Honorable Mention	Glenbrook North HS	Brad Benson	Northbrook	IL
3279	В	Honorable Mention	Niles West High School	Timothy Miller	Skokie	Illinoi
3284	В	Honorable Mention	Chesterfield County Math/Sci HS @ Clover Hill	Pete Peterson	Midlothian	VA
3285	В	Honorable Mention	Chesterfield County Math/Sci HS @ Clover Hill	Pete Peterson	Midlothian	VA
3286	В	Honorable Mention	Chesterfield County Math/Sci HS @ Clover Hill	Pete Peterson	Midlothian	VA
3289	A	Honorable Mention	Chesterfield County Math/Sci HS @ Clover Hill	Pete Peterson	Midlothian	VA
3291	В	Honorable Mention	University of California, Davis	Gregory Shinault	Davis	CA
3292	В	Honorable Mention	University of California, Davis	Gregory Shinault	Davis	CA
3293	В	Honorable Mention	University of California, Davis	Gregory Shinault	Davis	CA
3300	A	Honorable Mention	Chesterfield County Math/Sci HS @ Clover Hill	Pete Peterson	Midlothian	VA
3301	A	Honorable Mention	Winterset Junior High School	Danielle Shelley	Winterset	Iowa
3316	A	Honorable Mention	Illinois Mathematics and Science Academy	Steven Condie	Aurora	IL
3319	A	Honorable Mention	BCCSC	Bonnie Carson	CHINA	
3320	В	Honorable Mention	BCCSC	Bonnie Carson	CHINA	
3321	В	Honorable Mention	BCCSC	Bonnie Carson	CHINA	
3322	В	Honorable Mention	BCCSC	Bonnie Carson	CHINA	
3323	В	Honorable Mention	Cheshire Academy	Susan Eident	Cheshire	СТ
3324	A	Honorable Mention	Cheshire Academy	Susan Eident	Cheshire	СТ
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<u>Ctrl #</u>	<u>Prob</u>	<u>Designation</u>	Institution	Advisor	Location	<u>n</u>
3325	A	Honorable Mention	Cheshire Academy	Susan Eident	Cheshire	CT
3327	A	Honorable Mention	North Cedar High School	Vicki Hamdorf	Stanwood	IA
3328	В	Honorable Mention	North Cedar High School	Vicki Hamdorf	Stanwood	IA
3333	A	Honorable Mention	Walter Payton College Prep	Paul Karafiol	Chicago	IL
3334	A	Honorable Mention	Walter Payton College Prep	Paul Karafiol	Chicago	IL
3338	В	Honorable Mention	shen zhen middle scholl	huiqing guo	shenzhen	guang
3339	В	Honorable Mention	North Cedar High School	Vicki Hamdorf	Stanwood	IA
			Successful Participant			
2867	В	Successful Participant	Olathe North High School	Terry Link	Olathe	KS
2868	В	Successful Participant	Olathe North High School	Terry Link	Olathe	KS
2876	В	Successful Participant	Haeseong Girls' Highschool	Jihoon Kim	Seoul	Seoul
2885	В	Successful Participant	Highland Park High School	Kristin Rutherford	dallas	tx
2886	В	Successful Participant	Haeseong Girls' Highschool	Jihoon Kim	Seoul	Seoul
2887	A	Successful Participant	Haeseong Girls' Highschool	Jihoon Kim	Seoul	Seoul
2902	А	Successful Participant	Hangzhou Foreign Languages School	Hailian Zou	Hangzhou	Zheji
2904	А	Successful Participant	Massachusetts Academy of Mathematics and Science at	Jim Barys	Worcester	MA
2909	В	Successful Participant	Massachusetts Academy of Mathematics and Science at	Jim Barys	Worcester	MA
2914	В	Successful Participant	Massachusetts Academy of Mathematics and Science at	Jim Barys	Worcester	MA
2921	A	Successful Participant	Hangzhou Foreign Languages School	Hailian Zou	Hangzhou	Zheji
2922	В	Successful Participant	Hangzhou Foreign Languages School	Hailian Zou	Hangzhou	Zheji
2927	A	Successful Participant	Hangzhou Foreign Languages School	Hailian Zou	Hangzhou	Zheji
2928	В	Successful Participant	Hong Kong International School	Kevin Mansell	HONG Kong	Hong
2935	A	Successful Participant	Hangzhou Foreign Languages School	Hailian Zou	Hangzhou	Zheji
2936	В	Successful Participant	WHBC of Wuhan Foreign Languages School	Xing Liu	Wuhan	Hubei
2938	В	Successful Participant	Hangzhou Foreign Languages School	Hailian Zou	Hangzhou	Zheji

<u>Ctrl #</u>	<u>Prob</u>	Designation	Institution	Advisor	Location	<u>n</u>
2939	A	Successful Participant	Hangzhou Foreign Languages School	Hailian Zou	Hangzhou	Zheji
2945	В	Successful Participant	Hong Kong International School	Kevin Mansell	HONG Kong	Hong
2948	В	Successful Participant	Hong Kong International School	Kevin Mansell	HONG Kong	Hong
2951	В	Successful Participant	Hong Kong International School	Kevin Mansell	HONG Kong	Hong
2955	A	Successful Participant	Hong Kong International School	Kevin Mansell	HONG Kong	Hong
2956	A	Successful Participant	Hong Kong International School	Kevin Mansell	HONG Kong	Hong
2959	В	Successful Participant	Hong Kong International School	Kevin Mansell	HONG Kong	Hong
2966	В	Successful Participant	Shanghai High School International Division	Shan Liu	Shanghai	Shan
2968	В	Successful Participant	Hong Kong International School	Kevin Mansell	HONG Kong	Hong
2995	A	Successful Participant	WHBC of Wuhan Foreign Languages School	Xing Liu	Wuhan	Hubei
2997	В	Successful Participant	WHBC of Wuhan Foreign Languages School	Xing Liu	Wuhan	Hubei
2998	A	Successful Participant	WHBC of Wuhan Foreign Languages School	Xing Liu	Wuhan	Hubei
3000	A	Successful Participant	WHBC of Wuhan Foreign Languages School	Xing Liu	Wuhan	Hubei
3003	A	Successful Participant	No.2 Secondary School Attached to East China Normal	Chengpeng Zhang	Shanghai	Shan
3016	В	Successful Participant	Shenzhen Middle School	Cong Wu	Shenzhen	Guan
3023	А	Successful Participant	Evanston Township High School	Mark Vondracek	Evanston	IL
3029	А	Successful Participant	Hanyoung Foreign Language High School	Hongshick Jang	Seoul	Korea
3031	A	Successful Participant	Hanyoung Foreign Language High School	Hongshick Jang	Seoul	Korea
3049	В	Successful Participant	WHBC of Wuhan Foreign Languages School	Xing Liu	Wuhan	Hubei
3050	В	Successful Participant	WHBC of Wuhan Foreign Languages School	Xing Liu	Wuhan	Hubei
3052	А	Successful Participant	Shenzhen Middle School	Yan Liu	Shenzhen	Guan
3056	А	Successful Participant	Hangzhou Foreign Languages School	Hailian Zou	Hangzhou	Zheji
3057	A	Successful Participant	Hangzhou Foreign Languages School	Hailian Zou	Hangzhou	Zheji
3061	A	Successful Participant	Shenzhen Middle School	Cong Wu	Shenzhen	Guan
3069	В	Successful Participant	Mississippi School for Mathematics & Science	Claudia Carter	Columbus	MS

<u>Ctrl #</u>	<u>Prob</u>	<u>Designation</u>	Institution	Advisor	Location
3070	В	Successful Participant	Mississippi School for Mathematics & Science	Claudia Carter	Columbus MS
3073	В	Successful Participant	Shenzhen City	Zhang Hong	Shenzhen City Guan
3084	A	Successful Participant	Shenzhen Midlle School	Cong Wu	Shenzhen GUA
3086	В	Successful Participant	Shenzhen Middle school	Cong Wu	Shenzhen Guan
3088	A	Successful Participant	North Springs Charter School	Scott Hetherington	Atlanta GA
3090	А	Successful Participant	North Springs Charter School	Scott Hetherington	Atlanta GA
3091	А	Successful Participant	North Springs Charter School	Scott Hetherington	Atlanta GA
3092	В	Successful Participant	North Springs Charter School	Scott Hetherington	Atlanta GA
3096	В	Successful Participant	North Springs Charter School	Scott Hetherington	Atlanta GA
3105	В	Successful Participant	North Springs Charter School	Scott Hetherington	Atlanta GA
3124	В	Successful Participant	GYONG GU HIGH SCHOOL	JONGKU PARK	GUMI GYO
3137	В	Successful Participant	University High School	Stephanie Chang	Irvine CA
3138	A	Successful Participant	University High School	Stephanie Chang	Irvine CA
3148	В	Successful Participant	charlotte country day school	joseph vignolini	charlotte nc
3155	В	Successful Participant	Frontier Regional School	Garrett Deane	South Deerfield MA
3158	А	Successful Participant	Frontier Regional School	Garrett Deane	South Deerfield MA
3159	А	Successful Participant	Frontier Regional School	Garrett Deane	South Deerfield MA
3164	А	Successful Participant	University High School	Patricia Janda	Irvine CA
3168	A	Successful Participant	WHBC of Wuhan Foreign Languages School	Xing Liu	Wuhan Hubei
3178	A	Successful Participant	Shenzhen middle school	Wu Cong	Shenzhen Guan
3183	В	Successful Participant	HERMITAGE SCHOOL DISTRICT	THOMAS COCHRAN	HERMITAGE PA
3198	A	Successful Participant	The Charter School of Wilmington	Regina Fody	Wilmington DE
3210	A	Successful Participant	Charleston Charter School for Math and Science	Kathryn Pedings	Charleston SC
3211	A	Successful Participant	The Charter School of Wilmington	Regina Fody	Wilmington DE
3212	В	Successful Participant	Charleston Charter School for Math and Science	Kathryn Pedings	Charleston SC

<u>Ctrl #</u>	<u>Prob</u>	<u>Designation</u>	Institution	Advisor	Location	
3214	В	Successful Participant	Shenandoah High School	Jennifer Stephens	Shenandoah	IA
3215	A	Successful Participant	Shenandoah High School	Jennifer Stephens	Shenandoah	IA
3216	А	Successful Participant	Shenandoah High School	Jennifer Stephens	Shenandoah	IA
3217	В	Successful Participant	Shenandoah High School	Jennifer Stephens	Shenandoah	IA
3218	В	Successful Participant	Shenandoah High School	Jennifer Stephens	Shenandoah	IA
3220	A	Successful Participant	Woodbridge High School	David Gesk	Irvine	CA
3221	A	Successful Participant	Woodbridge High School	David Gesk	Irvine	CA
3236	В	Successful Participant	Madison East High School	Cynthia Chin	Madison	WI
3239	В	Successful Participant	Middlesex School	Amy Gleason	Concord 1	MA
3240	В	Successful Participant	Middlesex School	Amy Gleason	Concord 1	MA
3248	A	Successful Participant	Capital High	Dennis Peterson	Helena	Mt
3249	В	Successful Participant	Capital High	Dennis Peterson	Helena	Mt
3250	A	Successful Participant	Capital High	Dennis Peterson	Helena	Mt
3251	В	Successful Participant	Capital High	Dennis Peterson	Helena	Mt
3252	A	Successful Participant	Capital High	Dennis Peterson	Helena	Mt
3253	В	Successful Participant	Capital High	Dennis Peterson	Helena	Mt
3254	A	Successful Participant	Capital High	Dennis Peterson	Helena	Mt
3255	В	Successful Participant	Capital High	Dennis Peterson	Helena	Mt
3257	A	Successful Participant	Washtenaw International High School	Emily Van Ark	Ypsilanti	MI
3258	В	Successful Participant	Shenzhen middle school	Wu Cong	Shenzhen G	Juan
3267	A	Successful Participant	Sussex Technical High School	Robin Wroten	Georgetown	DE
3271	A	Successful Participant	Dubuque Senior High School	Julia Jorgenson	Dubuque	IA
3273	A	Successful Participant	Upper Arlington High School	Cara Hubbell	Upper Arlington	ОН
3274	В	Successful Participant	Upper Arlington High School	Cara Hubbell	Upper Arlington	ОН
3280	В	Successful Participant	arkansas school for math and sciences	bruce turkal	hot springs	ar

<u>Ctrl #</u>	<u>Prob</u>	<u>Designation</u>	Institution	Advisor	Location	<u>n</u>
3288	А	Successful Participant	Chesterfield County Math/Sci HS @ Clover Hill	Pete Peterson	Midlothian	VA
3295	В	Successful Participant	EL Haynes Public Charter School	Will Stafford	Washington	DC
3296	В	Successful Participant	EL Haynes Public Charter School	Will Stafford	Washington	DC
3297	A	Successful Participant	EL Haynes Public Charter School	Will Stafford	Washington	DC
3299	A	Successful Participant	EL Haynes Public Charter School	Will Stafford	Washington	DC
3302	В	Successful Participant	Winterset Junior High School	Danielle Shelley	Winterset	Iowa
3303	A	Successful Participant	Winterset Junior High School	Danielle Shelley	Winterset	Iowa
3304	A	Successful Participant	Winterset Junior High School	Danielle Shelley	Winterset	Iowa
3313	В	Successful Participant	Illinois Mathematics and Science Academy	Steven Condie	Aurora	IL
3326	A	Successful Participant	Cheshire Academy	Susan Eident	Cheshire	СТ
3329	В	Successful Participant	North Cedar High School	Vicki Hamdorf	Stanwood	IA
3330	В	Successful Participant	North Cedar High School	Vicki Hamdorf	Stanwood	IA
3335	A	Successful Participant	Walter Payton College Prep	Paul Karafiol	Chicago	IL
3340	В	Successful Participant	North Cedar High School	Vicki Hamdorf	Stanwood	IA
3341	В	Successful Participant	North Cedar High School	Vicki Hamdorf	Stanwood	IA