

Reverse Engineering 1

| SSEO TEAMS 2025 | | | | | | | | |
|-----------------|-----------------|--------------------|-----------------|-----------------------|----------------|----------------|-------------|----------------------------------------|
| TEAM # | SURNAME | SURNAME | SURNAME | SURNAME | SURNAME | SURNAME | SURNAME | mark in green IF attending from remote |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| 1 | Bandello F. | Bagnoli A. | Balboni F. | Chico Alfonso S. | Pozzoni A. | Sagliani L. | | LADEE |
| 2 | Borneo | Brusciani | Danile | Davi | De Vita | Di Santo | | SDO |
| 3 | Atoche | Mahecha | Persico | Cavosi | Villari | Marie-Courtois | | AEOLUS |
| 4 | Raymond | Richero | Bernasconi | Serlini | Palomba | Puzzi | | SDO |
| 5 | Fossati | Mauroner | Gjoni | Jayakody Arachchilage | Fulgheri | Ghilardini | | AEOLUS |
| 6 | Bouvier J. | Temps R. | Beaujeu A. | Migeon M. | RAVET A. | ODEON V. | | LADEE |
| 7 | Mauri | Luzzini | Di Giorgio | Perfetti | Scanga | Paardini | | MRO |
| 8 | Amadei | Andreini | Dave | Difalco | Pirozzi | Preziosi | | AEOLUS |
| 9 | Exner | Mages | Brun | Bonnefoy-Cudraz | Boulidoires | Jorgensen | | LADEE |
| 10 | Macchi | Serlini P. | Roncetti | Formiconi | Sovani | Troggio | Oberti | AEOLUS |
| 11 | Pantoja Gavidia | Grijalva Medinilla | Paez Rioja | Comparato | D'Amico | Patruno | | MRO |
| 12 | Andriollo | Bentini | Ciacchi | Pirola | Vittore | Elfström | | AEOLUS |
| 13 | Giannini | Frison | Ferrari | Emrem | Resta | Pirazzini | | MRO |
| 14 | Maffioli | Loria | Grasso | Giaretta | Ottaviano | Ghelleri | | AEOLUS |
| 15 | Cislaghi | Ahmed Mohamed T | Ghoraba | Candita | Calderazzi | Giovenzana | | LADEE |
| 16 | Addeo | Bove | Iaccarino | Marcolungo | Paripurnam | Pallotta | | SDO |
| 17 | Cassano | Centrella | Burlando | Morelli | Brenna | Delpin | Harun Or | LADEE |
| 18 | Torrano | Balboni E. | Severo | Messina | Didonna | Burkey | | MRO |
| 19 | Parma | Cavagna | Cammarota | Rizzi | Caucino | Bellezza | | LADEE |
| 20 | Perniciaro | Pavan | Sarcina | Spitalieri | Parameswaran | Sousa | | MRO |
| 21 | Chini | Mazzitti | Bianco | Basci | De Gennaro | Matteotti | Kazénas | MRO |
| 22 | Sorrieul | Deutsch | Kumar | Bredeau | Capano | Di Tolve | | MRO |
| 23 | Erba | Fedele | Felice | Ferrari | Montemagno | Morrone | | AEOLUS |
| 24 | Isernia | Bassani | Caridi | Mazza | Pracucci | Bisca | | MRO |
| 25 | Monaco | Montepiani | Svizzero | Robotti | Melchiorre | Brackenier | | LADEE |
| 26 | Balansard | De León | Frias Hernández | Garghetti | Herrera Medina | Rizzo | | SDO |
| 27 | Genoni | Poletti | Sakova | Tizzi | Vicenzetto | Visintainer | | MRO |
| 28 | Ruiu | Scoleri | Maggisano | Salvatori | Trevisan | Duranti | | AEOLUS |
| 29 | Dolciotti | Chiappini | Bergamin | Ceola | Ruggiero | Matsui | | SDO |
| 30 | Bacconier | Cocomazzi | Colombo A. | Coppola | Domenichelli | Pezzi | Kilikauskas | LADEE |
| 31 | Donati | Corbo | Chianese | Jonsson | Barin | Carminati | | SDO |
| 32 | D'Onofrio | Lewis | Cicchetti | Musile Tanzi | Caironi | Capone | | SDO |
| 33 | Negoita | Guercio | Ismailoglu | Sulis | Valvo | Digati | | SDO |
| 34 | Capra | Bonati | Paniago | Caccia | Terzoli | Nasr | | LADEE |
| 35 | Valsecchi | Sturiale | De Paoli | Falessi | Tajarollo | Esposito | | AEOLUS |
| 36 | Barbera | Berzoini | Mariani | Muszynski | Boschini | Gonzalez | | SDO |

| SSEO RE delivery timeline | | |
|---------------------------|--------------------------|-------------------------------------|
| Homework # | Delivery deadline | Topic |
| 1 | March 16, 2025-23:30h | Obj, FUNC |
| 2 | | MA, PS |
| 3 | | TTMTC |
| 4 | | ADCS |
| 5 | | TCS |
| 6 | | EPS |
| 7 | | CONF+OBDH |
| 8a | July 18, 2025-18:00h | FINAL REPORT 1st delivery window |
| 8b | September, 7 2025-18:00h | FINAL REPORT 2nd delivery window |

Missions – Homework 1

- Understand the mission high level goals
- Identify mission drivers, if any
- Perform the mission functional analysis
- Identify its main phases
- Link phases to ConOps and functionalities
- Fix the mission\system level requirements
- Understand the on board scientific instruments primary utilisation:
 - Correlate goal-to payloads functions
 - Correlate p\l to conops\phases
- Start correlating functionalities-phases trajectory design (MA understanding)

DELIVERY

Format: document

pp: 6 max

(front page, table of content, list of references
EXCLUDED from the pp counting)