

## CURRICULUM VITAE

### PERSONAL DETAILS

|                   |   |           |
|-------------------|---|-----------|
| Full name:        | <b>Richmond Komla Asamoah</b>   | Title: Dr |
| Current position: | Research Fellow – Minerals and Resource Engineering   |           |
| Telephone:        | 08 8302 3410  |           |
| Postal address:   | Future Industries Institute<br>University of South Australia<br>Mawson Lakes, 5095<br>South Australia |           |
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### ACADEMIC QUALIFICATIONS

| Qualification                            | Institution                               | Year        |
|--|---|-------------|
| PhD Engineering (Minerals and Resources) | University of South Australia, Australia  | 2014 - 2018 |
| BSc Mineral Engineering                  | University of Mines and Technology, Ghana | 2008 - 2012 |

### EMPLOYMENT HISTORY

#### Current Appointment

| Year           | Position                     | Organisation                             |
|----------------|------------------------------|--|
| 2018 - Present | Postdoctoral Research Fellow | University of South Australia, Australia |

#### Previous Appointment

| Year        | Position                                     | Organisation                             |
|-------------|--|--|
| 2016 - 2017 | Technical Officer - Senior Technical Officer | University of South Australia, Australia |
| 2013 - 2014 | Research Associate                           | Process Innovations, Ghana               |

### TEACHING AND RESEARCH

#### Current Teaching and Moderation Areas

Engineering Capstone Experience A and B; Process Thermodynamics; Transport Phenomena; Process Plant Design and Economics; and Mineral Processing

#### Research Interests

Resources Engineering/ Extractive Metallurgy (Hydrometallurgy and Minerals Processing); Environmental Science; Colloid and Interfacial Science; Particle Technology; Data Analytics and Machine Learning; Ore Mineralogy and Characterisation

## CONTINUING ACADEMIC/PROFESSIONAL ENGAGEMENT

### Awards, Honours, Recognition

| Year | Prizes, Awards, Honours, Recognition  |
|------|---|
| 2022 | Honourable Mention Early Career Researcher, STEM/FII Awards Celebrating Success, University of South Australia  |
| 2020 | Vice Chancellor's Awards for Professional Staff Excellence – Industry and Community Engagement, University of South Australia. Excellence in industry engagement as part of the South Australian State Government sponsored Future Industries Accelerator |
| 2019 | Early Career Researcher Development Program, Appointed Member of 2019 Cohort, University of South Australia. Full-year sponsorship for research career coaching and developing training   |
| 2018 | Outstanding Contribution in Reviewing, Powder Technology  |
| 2015 | Best Poster Presentation, 2 <sup>nd</sup> International Mining and Resources Conference (IMARC)   |
| 2015 | Best Three Minutes Thesis Presentation (people choice and competition winner), Ian Wark Research Institute, UniSA.  |

## PUBLICATIONS

**Publications Summary:** Total refereed outputs 87; including journal articles and conference papers).

### Selected Publications

|    |   |
|----|---|
| 1. | <b>Asamoah, R. K.</b> , Skinner, W., Addai-Mensah, J., (2018), "Alkaline cyanide leaching of refractory gold flotation concentrates and bio-oxidised products: The effect of process variables", Hydrometallurgy, Vol. 179, pp. 79-93 |
| 2. | Owusu, K. B., Karageorgos, J., Greet, C., Zanin, M., Skinner, W., <b>Asamoah, R. K.</b> , (2021), "Predicting mill feed grind characteristics through acoustic measurements", Minerals Engineering, article no. 107099                |
| 3. | <b>Asamoah, R. K.</b> , Baawuah, E., Greet, C., Skinner, W., (2021), "Characterisation of metal debris in grinding and flotation circuits", Minerals Engineering, article no. 107074  |
| 4. | Amankwaa-Kyeremeh, B., Zhang, J., Zanin, M., Skinner, W., <b>Asamoah, R. K.</b> , (2021), "Feature selection and Gaussian process prediction of rougher copper recovery", Minerals Engineering, article no. 107041                    |
| 5. | <b>Asamoah, R. K.</b> , (2021), "Specific refractory gold flotation and bio-oxidation products: research overview", Minerals, vol. 11, no. 1, article no. 93  |
| 6. | Forson, P., Skinner, W., <b>Asamoah, R. K.</b> , (2021), "Decoupling pyrite and arsenopyrite in flotation using thionocarbamate collector", Powder Technology, vol. 385   |
| 7. | <b>Asamoah, R. K.</b> , (2020), "EDTA-enhanced cyanidation of refractory bio-oxidised flotation gold concentrate", Hydrometallurgy, vol. 193, article no. 105312  |